

Volume

#

R0295

FILED

APR 5 1904

BOOK A-295

FIELD NOTES

OF THE SURVEY OF THE

WEATHER BUREAU RESERVATION

AT

MODENA, UTAH.

IN SEC. 36.

(32 P.)
T. 24 S., R. 19 W.

Of the SALT LAKE Meridian,

AS SURVEYED BY

FRANK M. JOHNSON, Examiner of Surveys
United States Deputy Surveyor,

Special Instructions Sept. 5th, 1902 and
Under his Contract No. dated Feb. 23d, 1904., 180

Survey commenced March 7th, 1904, 180

Survey completed March 8th 1904, 180

NAMES AND DUTIES OF ASSISTANTS.

Harry H. Atkinson.....Chairman.....

Ed... Twitchel.....Chairman.....

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Volume

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R0295

PRELIMINARY OATHS OF ASSISTANTS.

WE, Harry H. Atkinson and Ed. Twitchel, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

Harry H. Atkinson, *Chainman.*

Ed. Twitchel, *Chainman.*

Subscribed and sworn to before me this 7th
day of March, 1904, 189 }

Frank M. Johnson



Examiner of Surveys

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____
day of _____, 189 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____
day of _____, 189 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman.*

Subscribed and sworn to before me this _____
day of _____, 189 }



Survey of Weather Bureau Reservation

at Modena, Utah.

The survey commenced March 7th, 1904 and executed with a Young & Sons light mountain transit No. 6556; the horizontal limb having two double verniers placed opposite to each other and reading to minutes of arc.

The instrument was examined, tested on the true meridian at Salt Lake City and found correct.

At a point in centre of the Oregon Short Line Railroad (now called San Pedro, Los Angeles and Salt Lake R. R.) track easterly about three chs. dist. from the depot building at Modena, Utah, I set off $5^{\circ} 11'$ S. on the dec'l. arc and observe the sun on the meridian; the resulting lat. is $37^{\circ} 49'$ N. which is approximately correct.

At $2^{\text{h}} 10^{\text{m}}$ P.M. l.m.t. I set off $37^{\circ} 49'$ N. on the lat. arc and $5^{\circ} 9'$ S. on the dec'l. arc and determine a meridian with the solar at the station in centre of railroad track, marking a point on the line thus determined by a tack driven in a wooden plug 4.93 chs N. of my station.

The bearing of the main track, at this point a tangent, is N. $64^{\circ} 50'$ E. and S. $64^{\circ} 50'$ W.

From a point in centre of main track at right angle to the old first or East face (a new 24 ft. extension has recently been built to East face), I run S. $64^{\circ} 50'$ W in centre of main track.

11.35 Intersect line at right angles to westerly boundary of railroad strip.

Thence I run S $25^{\circ} 10'$ E

1.51 $\frac{1}{2}$ (100 ft.) to a point at the right angle found by the westerly boundary of the railroad strip and the one hundred foot right-of-way. This position is marked by a railroad iron firmly set and projecting

Survey of Weather Bureau Reservation

at Modena, Utah.

3 ft. above ground.

At this monument which is the initial point of the Weather Bureau Reservation survey, I set a porphyry rock 20 x 16 x 12 ins. 14 ins. in the ground for cor. No. 1, marked W B R. No 1 on S.W. face and raise a mound of stone 3 x 2 ft. S.W. of cor.

Pits impracticable.

Thence S $25^{\circ} 10'$ E on westerly boundary of railroad strip and easterly boundary of Weather Bureau Reservation.

Over level land.

- 3.03 Set a porphyry rock 20 x 14 x 10 ins. 14 ins. in the ground for cor. No. 2 mk'd. W B R No 2 on N.W. face; raise mound of stone 3 x 2 ft. N.W. of cor.

Pits impracticable.

Land, level.

Soil, sandy & gravelly 2d rate.

Vegetation stunted sage brush.

From the cor., the S.E. cor. of the Weather Bureau Observatory building bears N $81^{\circ} 32'$ W. 195 lks dist.

The S.W. cor of railroad strip bears S $25^{\circ} 10'$ E 72 lks dist.

Thence S $64^{\circ} 50'$ W on southerly side of reservation.

Over level land.

- 3.30 Set a porphyry rock 24 x 16 x 10 ins. 18 ins. in the ground for cor. No. 3 mkd W B R No. 3 on N.E. face; raise mound of stone 3 x 2 ft. N.E. of cor.

Pits impracticable.

Land, level.

Soil, sandy & gravelly, 2d rate.

Vegetation, stunted sage brush.

Survey of Weather Bureau Reservation

at Modena, Utah.

Thence N 25° 10' W on westerly side of reservation
Over level land.

3.03 Set a porphyry rock 30 x 10 x 8 ins. 22 ins. in the
ground for cor. No 4 m'kd. W B R No 4 on S.E. face;
raise mound of stone 3 x 2 ft. S. of cor.

Pits impracticable.

Land, level.

Soil, sandy and gravelly 2^d rate.

Vegetation, stunted sage brush.

From cor., westerly edge of railroad culvert bears
N 25° 50' E.

Thence N 64° 50' E on northerly side of reser-
vation and southerly side of 100 ft. right-of-way.

Over level land.

3.30 To cor. No.1 and place of beginning.

Land, level.

Soil, sandy & gravelly 2^d rate.

Vegetation, stunted sage brush.

From cor., N.E. cor Weather Bureau Observatory bldg.
bears S 22° 7' W 2.20 chs. dist.

Returning to my station in the meridian estab-
lished by solar observation; at 8^h 18^m P.M., l.m.t.,
I observe Polaris at western elongation in accordance
with instructions in the Manual and mark the line
thus determined by a tack driven in a wooden plug
4:93 chs. N. of my station in centre of railroad
track.

Measuring tape compared with standard and found cor-
rect.

March 7th, 1904,

Survey of Weather Bureau Reservation

at Modena, Utah.

March 8th at 8 A.M. l.m.t., I lay off the azimuth of Polaris $1^{\circ} 31'$ to the east and mark the meridian thus determined by a tack in the wooden plug already set 4.93 chs. N. of my station, on which the point falls 0.1 ins. west of mark determined by solar.

At 8^h 30^m A.M. l.m.t. I set off $37^{\circ} 49'$ N. on lat. arc and $4^{\circ} 51'$ S. on dec'l. arc and determine a meridian with the solar at my station in centre of railroad track.

This line falls 0.3 ins. W. of meridian established by Polaris observation.

The solar apparatus by P.M. and A.M. observations defines positions for Meridians about $5''$ E. and $16''$ W. of the meridian established by Polaris observations. The adjustments of the instrument are satisfactory.

The mag. dec'l. at 8^h 30^m A.M. is $14^{\circ} 12'$ E.

I turn off from the true meridian and check the bearing of the railroad track, & find it N $64^{\circ} 50'$ E and S $64^{\circ} 50'$ W.

Thence from the east face (old face) of the depot building I run.

N. $64^{\circ} 50'$ E. in centre of R.R. track.

11.38 Point at right angle of easterly boundary of R.R. strip.

39.77 To theoretical E. bdy. T. 34 S., R. 19 W.

Thence North,

Over level land.

2.60 Fall 58 lks. W. of point between two old pits.

Find porphyry rock 10 x 6x4 ins mkd with a cross (x) 8 ins. underground & between pits. I believe this to be $\frac{1}{2}$ cor on E. b'd'y. sec. 36 T. 34 S., R. 19 W.

Survey of Weather Bureau Reservation

at Modena, Utah.

- 42.60 No trace of cor.
- Returning to $\frac{1}{2}$ cor I build mound stone 3 x 2 ft. over buried stone.
- Thence from point in centre of railroad track 39.77 chs. N 64° 50' E. of depot building, I run South Over level land.
- 37.00 Fall 99 lks. W. of cor. Tps. 34 & 35 S. Rgs. 18 & 19 W. which is a granite stone 8 x 10 x 8 ins. above ground, marked & witnessed as described by the Surveyor General.
- Thence from cor. Tps. 34 & 35 S., R. 18 & 19 W. I run N 0° 35' W on range line bet secs 31 & 36 T 34 S., Rgs. 18 & 19 W.
- 37.28 Intersect centre of railroad track 40.42 chs N 64° 50' E of old east face of depot building at Modena.
- 39.60 Intersect $\frac{1}{2}$ sec. cor.
- From cor. Tps 34 & 35 S Rgs 18 & 19 W. previously described I run
- South bet secs 1 and 6 T 35 S Rgs 18 and 19 W.
- 40.30 Fall 14 lks E. of $\frac{1}{2}$ cor. which is a granite 8x7x5 ins. above ground, marked and witnessed as described by the Surveyor General.
- True bearing and length of N half of E bdy sec 1 is S 0° 12' W 40.30 chs. dist.
- From cor. Tps. 34 and 35 S Rgs. 18 and 19 W I run West on S. bdy sec 36
- 40.34 Fall 1 lk. S. $\frac{1}{2}$ cor. which is a granite stone 6x8x5 ins. above ground marked and witnessed as described

Survey of Weather Bureau Reservation
at Modena, Utah.

80.00

by the Surveyor General.

No trace of cor., True course bet. $\frac{1}{4}$ cor. and Tp cor
S $89^{\circ} 59' E$

From the corners of the Weather Bureau Reservation I take the following bearings and distances to identified public land corners.

From cor. No 2 the S.E. cor T. 34 S., R. 19 W. bears S. $76^{\circ} 20' E$. 46.64 chs. dist.

From cor. No.2, The $\frac{1}{4}$ cor on S side sec 36 T.34 S., R. 19 W. bears S $24^{\circ} 20' E$ 12.09 chs. dist.

From cor. No. 3, the $\frac{1}{4}$ cor. on S. side sec 36 T. 34 S., R. 19 W. bears S. $39^{\circ} 41' E$.12.48 chs.dist

The Weather Bureau Reservation is therefore located in S.W. $\frac{1}{4}$ S. 36 T. 34 S. R. 19 W S.L. P.M.

March 8th 1904.

Note: All measurements were made with a 66 ft. steel tape, daily compared with a standard.

General Description.

The land embraced within the boundaries of the Weather Bureau Reservation at Modena, Utah is nearly level and is sparsely covered with sage brush.

The soil is sandy and gravelly & of 2d rate.

A two story frame building has recently been erected near the centre of the Reservation and is now used by the U.S. Weather Bureau as an observatory.

Upon enquiry I could find no foundation for the report that this land is claimed by private parties.

Frank M. Johnson,

Examiner of Surveys.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank M. Johnson,
Examiner of surveys, United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of the Weather
Bureau Reservation at Modena, Ut., in T. 34 S. R. 19 W.,
owing the respective capacities in which they acted:

Harry H. Atkinson, Chainman.
Ed. Twitchel, Chainman.
....., Moundman.
....., Moundman.
....., Axman.
....., Axman.
....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank M. Johnson,
Examiner of Surveys, United States Deputy Surveyor, in surveying all
those parts or portions of the Weather Bureau Reservation at Modena, Utah, and
the retracement of the E. and S. bdy's, sec. 36, T. 34 S. R. 19 W. & the
N. half E. bdy. sec. 1, T. 35 S. R. 19 W.,
of the Salt.....

Lake meridian, of which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey
is been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
general for

Harry H. Atkinson, Chainman.
Ed. Twitchel, Chainman.
....., Moundman.
....., Moundman.
....., Axman.
....., Axman.
....., Flagman.

scribed and sworn to before me this 8th
day of March 1904, 189 }

Frank M. Johnson



Examiner of Surveys

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Frank M. Johnson, Examiner of Surveys, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from the Commissioner of the General Land Office, 5th day September 1902, bearing date of the United States Surveyor General for General Land Office, 1904, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for General Land Office, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The Weather Bureau Reservation at Modena Utah and retracements of E. and S. bdy's sec. 36 T. 34 S. R. 19 W. and N. half of E. bdy. sec. 1 T. 35 S., R. 19 W.

of the Salt Lake meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Land Office and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Frank M. Johnson
United States Deputy Surveyor
Examiner of Surveys

Subscribed by said Frank M. Johnson, and sworn to before me
this 11th day of March 1904, 1904

Benner X. Smith

SEAL

Notary Public

APPROVAL.

A.W.B.

Commissioner
OFFICE OF THE UNITED STATES SURVEYOR GENERAL

1904.

General Land Office, Washington, Mar 27, 1904

The foregoing field notes of the survey of The U. S. Weather Bureau Reservation of one acre of land at Modena, Utah.

executed by Frank M. Johnson, Examiner of U. S. Surveys, under his contract No instruction dated Sept. 5, 1902 and Feb. 23, 1904; having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

W. A. Richards
Commissioner. United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in U. T. A. H., has been correctly copied from the original notes on file in this office.

W. A. Richards
Commissioner. United States Surveyor General

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FIELD NOTES

OF THE SURVEY OF

UINTA FOREST RESERVE BOUNDARY.

RANGE LINE BETWEEN SECS. 1 and 6,

T. 5 S., Rgs. 6 and 7 E.

Of the Salt Lake Meridian,

AS SURVEYED BY

A. F. Dunnington, United States ~~Deputy~~ Surveyor,
instructions
Under his Contract No. dated July 3, 1903. X189
Survey commenced August 28, 1903. X189
Survey completed August 28, 1903. X189

Names and Duties of Assistants.Charles W. Hicken,Chairman,Andrew G. Hood,Moundman.

INDEX DIAGRAM.

Township 5 S., Ranges 6 + 7 E.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
20	29	28	27	26	25
31	32	33	34	35	30

Meanders Page.....

Preliminary Oaths of Assistants.

We, I, Charles W. Hicken,

and

do solemnly swear that we will well and faithfully execute the duties of chainman; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the range line between secs. 1 and 6, through T. 5 S., Rgs. 6 and 7 E.

Charles W. Hicken,

, Chairman.

, Chairman.

Subscribed and sworn to before me this 28th

day of August, 1903, A.M.

oooooo
SEAL
oooooo

A. F. Dunnington,

U. S. Surveyor.

We, I, Andrew G. Hood,

and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the range line between secs. 1 and 6, through T. 5 S., Rgs. 6 and 7 E.

Andrew G. Hood,

, Moundman.

, Moundman.

Subscribed and sworn to before me this 28th

day of August, 1903, A.M.

oooooo
SEAL
oooooo

A. F. Dunnington,

U. S. Surveyor.

We, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this

day of , 189

oooooo
SEAL
oooooo

I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this

day of , 189

oooooo
SEAL
oooooo

Uinta Forest Reserve Boundary.
Range line between 6 and 7, through T. 5 S.

Chains.	<p>Survey commenced August 22, 1903, and executed with a Young & Sons light mountain transit No. 6855 with solar attachment; the horizontal limb is provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude arcs.</p> <p>To test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:</p> <p>August 23, 1903, at camp, Latitude $40^{\circ} 26' 30''$ N., Longitude $111^{\circ} 08'$ W., I set off $40^{\circ} 26' 30''$ N. on the lat. arc; $11^{\circ} 45' 47''$ N. on the decl. arc; and at 8h 36m a.m., l.m.t., determine with the solar a meridian, and mark a point thereof on a stake set firmly in the ground about 5.00 chs. N. of the instrument.</p> <p>August 22, 1903, at 9h 32m p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point on the line thus determined, on a stake driven in the ground about 5.00 chs. N. of my station.</p> <p>August 23, 1903, I lay off the azimuth of Polaris 1° to the west, and mark the meridian thus determined on a stake firmly set in the ground.</p> <p>At 2h 36m p.m., l.m.t., I set off $40^{\circ} 26' 30''$ N. on the lat. arc; $11^{\circ} 40' 12''$ N. on the decl. arc; and mark a point in the meridian determined with the solar on a stake driven firmly in the ground about 5.00 chs. N. of my station.</p> <p>The solar apparatus by p.m. and a.m. observations defines positions for meridians identical with the meridians established by Polaris observations, therefore I conclude that the adjustments of the instrument are correct.</p> <p>The magnetic bearing of the true meridian, August 23, 1903, at 8h 36m a.m., l.m.t., is N. $16^{\circ} 34'$ W.; the angle thus determined gives the magnetic decl. $16^{\circ} 34'$ E.</p> <p>August 28, 1903. At the cor. to Tps. 4 and 5 S., Rgs. 6 and 7 E., which is a stone 20 inches above ground, firmly set, marked with C grooves on N., S., E., and W. edges, with mound of stone around corner stone. No pits nor bearing trees.</p> <p>I set instrument over cor. stone, and at 10h 00m a.m., l.m.t., I set off $40^{\circ} 25'$ N. on lat. arc; $9^{\circ} 59'$ N. on the decl. arc;</p> <p>Thence I run</p> <p>South between secs. 1 and 6,</p> <p>Over slight descent.</p> <p>Sheep dipping vat, bears E. 5.00 chs.</p> <p>Road, N. E. and N. W., northwest to saw mill about 30.00 chs.</p> <p>Enter Willow brush.</p> <p>Leave willow brush.</p> <p>Enter willow brush</p> <p>Branch, bears N. W., ascend gradually.</p> <p>Leave brush.</p> <p>Intersect white pine, 3 ft. diam., mark 3 notches on N. and S. faces.</p> <p>Set a stone, 24x11x12 ins., 15 ins. in the ground for 1/4 sec. cor., marked 1/4 on W. face; from which</p>
10.00	
10.80	
11.72	
13.60	
14.44	
15.00	
15.40	
17.46	
40.00	

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Uinta Forest Reserve Boundary,
Range line between 6 and 7, through T. 5 S.

Chains.	A white pine, 30 ins. diam., bears N. $57^{\circ} 37' E.$, 204 lks. dist., marked 1/4 S. 6 B. T. A white pine, 56 ins. diam., bears N. $56^{\circ} 56' W.$, 362 lks. dist., marked 1/4 S, 1 P. T. Corner is located on W. edge of small spring branch, course N., spring of cold water 1.00 chain E. of S. Ascend steep.
43.00	Enter timber.
48.00	Leave timber.
51.00	Edge of flat ridge, slope N. E., about 200 ft. above 1/4 cor., rocky gradual ascent.
59.51	Road, bears E. and N. W.
59.88	Top of divide between the waters of Currant and Lake creeks, this divide being the watershed and the location of the Uinta Indian and Uinta Forest Reserves. At
59.88	Set a stone, 37x17x5 ins., 18 ins. in the ground, for the closing corner to line between Rgs. 6 and 7 E., T. 5 S. (This point is also the S. W. corner of the Uinta Forest Reserve.) marked on N. face C. C. 59.88 chs.
	U.F.R. P.L.
	and
	U.I.R. on south face.
	Raised a stone mound 4 ft. base, 3 ft. high, 4 ft. N. of cor. Pits impracticable. No trees within limits.
	From this corner I take the following bearings to nearby prominent points:
	Bald Knob, N. $55^{\circ} 57' W.$, 1.17 miles.
	Heber Mt. N. $35^{\circ} 44' E.$, 2.05 "
	Currant Pk. S. $37^{\circ} 55' E.$, 2.8 "
	Land, rolling.
	Soil, loam and rocky, 3rd rate.
	Scattering timber.

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Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by A. F. Dunnington, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the range line between secs. 1 and 6, through T. 5 S., Rgs. 6 and 7 E. showing the respective capacities in which they acted:

Charles W. Hicken, Chainman.
Andrew G. Hood, Moundman.
 , Moundman.
 , Axman.
 , Axman.
 , Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted A. F. Dunnington, United States Deputy Surveyor, in surveying all those parts or portions of the range line between secs. 1 and 6, through T. 5 S., Rgs. 6 and 7 E.

of the base
and Salt Lake meridian, State of Utah, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Director, U. S. Geol. Survey.

Charles W. Hicken, Chainman.
 , Chainman.
Andrew G. Hood, Moundman.
 , Moundman.
 , Axman.
 , Axman.
 , Flagman.

Subscribed and sworn to before me this 28th }
day of August, 1903. 189 }

A. F. Dunnington,

U. S. Surveyor.



Final Oath of United States Deputy Surveyor.

I, A. F. Dunnington, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from the Director of the United States Surveyor General for U. S. Geological Survey, bearing date of 3rd day of July, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Director, U. S. G. S., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the range line between secs. 1 and 6, through T. 5 S., Rgs. 6 and 7 E.

of the base and Salt Lake meridian; in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Director, U. S. G. S., and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

A. F. Dunnington,

United States Deputy Surveyor.

Subscribed by said A. F. Dunnington, and sworn to before me this
15th day of September, 1903.

SEAL

A. S. Saylor,

U. S. Commissioner.

APPROVAL.

GEOLOGICAL SURVEY.
Office of the United States Surveyor General,

Washington, D. C. MAR 23 1904, 189

The foregoing field notes of the survey of the range line between secs. 1 and 6,

executed by A. F. Dunnington,
under his instructions dated July 3, 1903, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Charles W. Allen
Director, United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in T. 5 S., Rgs. 6 and 7 E., has been correctly copied from the original notes on file in this office.

Charles W. Allen
Director, United States Geol. Survey.

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FIELD NOTES

OF THE SURVEY OF THE

South West and North Boundaries
of
Township 7 South Range 6 West

of the Salt Lake Base and Meridian,
 State of Utah

AS SURVEYED BY

Zenas Dickey, United States Deputy Surveyor,

Under his contract No. 216, dated Oct 29, 1897

Survey commenced May 29, 1897

Survey completed May 31, 1897

6-161

First Day	2. 38. 17
Next "	6. 00. 60
Third "	3. 37. 17

115.38

BOOK NO. 250
NAMES AND DUTIES OF ASSISTANTS.

Hiram Millward	Brewer
Richard Orr	"
George S. Stockey	Mundeman
Roger Millward	Canner
Roger Millward	Flagman

INDEX DIAGRAM.

Township _____, *Range* _____

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Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

We, Roger Millward and Richard Orr

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the S.W. 1/4 N. ldy. 5.7d. R. 6 W., the N. & E. bds. 5.7d. R. 7. W. the W. ldy. 5.6 d. R. 6 W., the N. ldy. 5.5 d. R. 6 W., the N. ldy. 5.5 d. R. 7. W., the E. & S. ldy. 5.12 d. R. 17. W. the E. ldy. 5.11 d. R. 17. W., the S. & W. ldy. 5.11 d. R. 19. W., the S. ldy. 5.11 d. R. 20. W. and the N. ldy. 5.8 d. R. 26. W. Salt Lake Baseline Meridian.

Alonzo Strokey, Chairman
Richard Orr, Chairman

Subscribed and sworn to before me this 29th

day of May, 1899



We, J. G. S. Strokey

Alonzo Strokey
U.S. Deputy Surveyor

and

do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ^{me} to, to the best of ^{my} skill and ability, in the survey of the S.W. 1/4 N. ldy. 5.7d. R. 6 W., N. & S. ldy. 5.7d. R. 6 W., the W. ldy. 5.6 d. R. 6 W., the N. ldy. 5.5 d. R. 7. W., the E. & S. ldy. 5.12 d. R. 17. W., the E. ldy. 5.11 d. R. 19. W., the S. ldy. 5.11 d. R. 20. W. and the N. ldy. 5.8 d. R. 26. W. Salt Lake Baseline Meridian.

J. G. S. Strokey, Moundman

Moundman

Subscribed and sworn to before me this 29th

day of May, 1899



We, Roger Millward

Alonzo Strokey
U.S. Deputy Surveyor

and

do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ^{me} to, to the best of ^{my} skill and ability, in the survey of the S.W. 1/4 N. ldy. 5.7d. R. 6 W., the N. & S. ldy. 5.7d. R. 6 W., the E. & S. ldy. 5.12 d. R. 6 W., the N. ldy. 5.5 d. R. 7. W., the E. & S. ldy. 5.12 d. R. 17. W., the E. ldy. 5.11 d. R. 19. W., the S. ldy. 5.11 d. R. 20. W., and the N. ldy. 5.8 d. R. 26. W. Salt Lake Baseline Meridian.

Roger Millward, Axman

Axman

Subscribed and sworn to before me this 29th

day of May, 1899



I, Roger Millward

Alonzo Strokey
U.S. Deputy Surveyor

do solemnly swear that I will well and truly perform the duties of flagman according to instructions given ^{me} to, to the best of my skill and ability, in the survey of the S.W. 1/4 N. ldy. 5.7d. R. 6 W., the N. & S. ldy. 5.7d. R. 6 W., the E. & S. ldy. 5.12 d. R. 6 W., the N. ldy. 5.5 d. R. 7. W., the E. & S. ldy. 5.12 d. R. 17. W., the E. ldy. 5.11 d. R. 19. W., the S. ldy. 5.11 d. R. 20. W., and the N. ldy. 5.8 d. R. 26. W. Salt Lake Baseline Meridian.

Roger Millward, Flagman

Subscribed and sworn to before me this 29th

day of May, 1899



Alonzo Strokey
U.S. Deputy Surveyor

SCHIEH POINT DABY, T. 7 S., R. 6 W.

Chains

Survey commenced May 29, 1899 and executed with a W. & L. R. Gurley Light Mountain Transit, the horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the vernier of the latitude and declination arcs. The instrument was examined tested on the true meridian at Salt Lake City, found correct and was approved by the Surveyor General for Utah May 23, 1899.

I examine the adjustments of the transit and correct the level and collimation errors. At the established $\frac{1}{2}$ sec. cor. bet. secs. 4 & 33 Tps. 7 & 8 S. R. 6 W. which is a blue limestone 10x8x6 ins. above ground firmly set and marked and witnessed as described by the Surveyor General in latitude $40^{\circ} 09'$ N. longitude $112^{\circ} 32'$ W. I observe Polaris at 2 h. 59m. l. m. t. at eastern elongation in accordance with the Manual of Instructions and mark the line thus determined by a tack driven in a wooden plug firmly set in the ground five chains N. of $\frac{1}{2}$ sec. cor.

May 29, 1899 at 7 a. m. I lay off the Azimuth of Polaris $1^{\circ} 37'$ to the west and mark the true meridian thus determined by driving a tack in a wooden plug west of the point established last night. The magnetic bearing of the true meridian is N. $16^{\circ} 24'$ W. which reduced by the table on page 100 of the Manual gives the mean magnetic declination $16^{\circ} 20'$ E.

I begin at the $\frac{1}{2}$ sec. cor. bet. secs. 4 & 33 Tps. 7 & 8 S. R. 6 W. and from the true meridian I turn off an angle of 90° to the west; thence I run west bet. secs. 4 & 33 over rolling, stony ground through dense sage brush.

SOUTH BOUNDARY OF T. 7 S. R. 6 W.

Chains	
1.20	Enter cedars, bears N. 45° W. & S. 45° E.
8.00	Leave " " " " " "
10.00	Low ridge bears N. 45° W. & S. 45° E.
18.25	Ravine 1.00 ch. wide, drains S. 45° E.
40.00	Set a sandstone 15x6x6 ins. 10 ins. in the ground for cor. to secs. 4, 5, 32, & 33 marked with 2 notches on W. and 4 on E. edges; raised a mound of stone 2 ft. base 1-1/2 ft. high W. of cor. pits imprac- ticable.
	Land rolling Soil gravelly 5d rate Timber, cedars 6.80 ch. Land covered with dense undergrowth 40 ch.
	West bet. secs. 5 & 32 over rolling land covered with dense sage brush.
14.70	Bottom of hollow, drains S. 45° E.
40.00	Top of ridge bears N. 45° E. & S. 45° W. Set limestone 16x8x8 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{2}$ on N. face and raised mound of stone 2 ft. base $\frac{1}{2}$ ft high N. of cor.
	Pits impracticable
52.00	Bottom of hollow drains N. 44° E.
76.00	Top of ridge 400 ft. above last named $\frac{1}{2}$ sec. cor.
80.00	Enter cedars bears N. 30° E. & S. 30° W. Set limestone 16x6x6 ins. 10 ins. in the ground for cor. to secs. 5, 6, 31, 32 marked 1 notch on W. and 5 notches on E. edges raised a mound of stone 2 ft. base 1-1/2 ft. high W. of cor.
	Pits impracticable.
	A cedar 12 in. diam. bears S. 54° W. 25 lks. dist. marked T. 8 S. R. 6 W. S. 6 B. T. a cedar 8 in. in diam. bears N. 85° W. 12 lks. dist. marked T. 7 S. R. 6 W. S. 31 B. T.
	A cedar 18 ins. in diam. bears N. 70° E. 24 lks. dist. marked T. 7 S. R. 6 W. S. 32 B. T. A cedar 15 ins. in diam. bears S. 10° E. 45 lks. dist. marked T. 8 S. R. 6 W. S. 5 B. T.

SOUTH BOUNDARY T. 7 S. R. 6 W.

Chains	<p>Land rolling and mountainous Soil rocky 4th rate Timber scattering cedars Mountainous or land covered with dense undergrowth 80 chs.</p>
	<p>West bet. secs. 6 & 31 over mountain sloping north through dense sage brush undergrowth</p>
2.00	Leave cedars bears N. & S.
10.00	Top of ridge bears N. & S. bet. Rush Valley & Skull Valley.
40.00	<p>Set limestone 14x10x6 ins. 9 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face and raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.</p> <p>Pits impracticable.</p>
53.00	Foot of mountain bears N. & S.
69.00	Ravine drains SW.
73.00	Bottom of steep ravine drains S. 40° W.
78.17	<p>Set a sandstone 14x6x6 ins. 9 ins. in the ground for permanent cor. for Tps. 7 & 8 S. Rs. 6 & 7 W. (allowing the 1.83 chs. for convergency as per special instructions) marked 7 S. on NE 6 W. on SE 8 S. on SW 7 W. on NW faces 6 notches on each edge and raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high S. of cor.</p> <p>Pits impracticable.</p>
	<p>Land mountainous and rolling Soil stony 4th rate Timber scattering cedars 2.00 chs. Mountainous or land covered with dense undergrowth 78.17 chs.</p>
	May 29, 1899.

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PAGE

WEST BOUNDARY T. 7 S. R. 6 W.

Chains

Survey of this boundary commenced May 30, 1899.

For description of transit used see page 1 this book.

May 30th at cor. to Tps. 7 & 8 S. Rs. 6 & 7 W.

latitude $40^{\circ} 09'$ N. longitude $112^{\circ} 34'$ W. at 2 h. 56m.

1. m. t. I observe Polaris at Eastern elongation in accordance with the Manual of instructions and mark a point on the line thus determined by a wooden plug driven firmly in the ground 5 chs. S. of Tp. cor. a point 5 chs. N. of said cor. not being visible. At 6:30 a.m. 1. mt. I lay off the Azimuth of Polaris $1^{\circ} 37'$ to the E. and mark the true meridian by driving a tack in a wooden plug E. of the point established last night.

The magnetic bearing of the true meridian is N. $16^{\circ} 23'$ W. which reduced by the table on page 100 of the Manual gives the mean magnetic declination $16^{\circ} 20'$ E.

From the Tp. cor. already described I run N. bet. secs. 31 & 36 through dense undergrowth

1.00	Top of slope
14.00	Foot of ridge bears E. & W.
18.00	Top of same ridge and descend.
21.00	Begin ascent from ravine drains W.
34.00	Top of ridge bears E. & W. and begin steep descent
40.00	Set a limestone 14x8x6 ins. 8. ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face and raised mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
	Pits impracticable.
	A cedar 6. ins. in diameter bears S. 23° W. 58 lks. dist. marked $\frac{1}{4}$ S. 31 B. T.
54.00	Bottom of hollow drains SW. and ascend
60.00	Top of ridge bears NF & SW. and begin steep descent
65.75	Bottom of hollow drains SW. and ascend
77.00	Top of ridge bears S. 38° W. & N. 38° E. and descend.
80.00	Set a limestone 15x10x6 ins. 10 ins. in the ground for cor. to secs. 25, 30, 31 & 36 marked 1 notch on S. and 5 notches on N. edges raised mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.

WEST BOUNDARY TP. 7 S. R. 6 W.

Chains	Pits impracticable A cedar 8 ins. in diameter bears S. 75° E. 1.70 chs. dist. marked T. 7 S. R. 6 W. S. 31 B. T. No other trees within limits; Land rolling and mountainous Soil rocky 4th rate Timber scattering cedars Mountainous or land covered with dense undergrowth 80 chs.
4.70	North bet. secs. 25 & 30
19.50	Bottom of hollow drains S. 80° W.
20.00	Top of ridge or pass bears S. 80° W. & N. 80° E.
31.25	Enter cedars and begin descent
36.00	Bottom of deep ravine drains W. and begin steep ascent
38.40	Leave cedars
40.00	Top of ridge bears E. & W. and begin descent Set limestone 16x8x6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
	Pits impracticable
41.90	Bottom of hollow drains W. and begins ascent
50.20	Top of ridge bears E. & W. and enter cedars
52.60	Leave cedars and begin steep descent
57.00	Bottom of hollow drains W. & begin steep ascent
64.00	Top of ridge bears N. 80° E. & S. 80° W.
66.50	Ravine drains S. 80° W.
30.00	Set a sandstone 16x7x6 ins. 10 ins. in the ground for cor. to secs. 19, 24, 25 & 30 marked 2 notches on S. and 4 notches on N. edges raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
	Pits impracticable
	A cedar 16 ins. in diameter bears S. 43° E.
1.50	chs. dist. marked T. 7 S. R. 6 W. S. 30 B. T.
	A cedar 10 ins. in diameter bears N. 35° W. 1 ch.
	dist. marked T. 7 S. R. 7 W. S. 24 B. T. No other trees within limits.
	Land broken and mountainous Soil rocky 4th rate Timber scattering cedars Mountainous or land covered with dense undergrowth 80.00 chs.

WEST BOUNDARY TR. 7 S. R. 6 W.

Chains	
3.00	North bet. secs. 19 & 24 ridge bears E. & W. and begin steep descent
11.00	Bottom of hollow drains W.
21.00	Top of ridge bears E. & W.
33.60	Foot of hill, ravine. drains W.
40.00	Set a limestone 16x8x6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
	Pits impracticable
	A cedar 10 ins. in diameter bears S. 80° E.
12 lks. dist. marked $\frac{1}{4}$ S. 19 B. T.	A cedar 11 ins. diameter bears N. 15° W. 36 lks. dist. marked $\frac{1}{4}$ S.
24 B. T.	
54.50	Top of hill and leave cedars timber bears N. 48° W. S. 48° E. begin steep descent.
78.00	Bottom of hollow drains N. 45° W.
80.00	Set a limestone 18x6x6 ins. 12 ins. in the ground for cor. to secs. 13, 18, 19 & 24 marked 3 notches on S. and 3 notches on N. edges raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
	Pits impracticable
	Land rolling and mountainous Soil 2d and 3d rate stony timber scattering cedars 54.50 chs. Mountainous or land covered with dense undergrowth 80.00 chs.
	North bet. secs. 13 & 18
3.75	Ridge or point of hill bears N. 45° W. & S. 45° E.
6.00	Ravine or hollow drains N. 45° W. & begin ascent
11.00	Top of ridge bears N. 45° W. & S. 45° E.
22.00	Bottom of hollow drains N. 45° W.
30.00	Begin steep descent from top of ridge bears N. 45° W. & S. 45° E.
39.90	Bottom of descent ravine drains N. 50° W. and be- gin ascent
40.00	Set a sandstone 15x12x8 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
	Pits impracticable
	A cedar 24 ins. in diameter bears S. 70° W. 1.35 chs. dist. marked $\frac{1}{4}$ S. 13 B. T. No other trees with- in limits.
46.50	Top of rocky ridge bears N. 50° W. & S. 50° E. and enter scattering cedars.
50.40	Bottom of deep ravine. drains N. 45° W.
56.50	Top of rocky ridge bears N. 50° W. & S. 50° E.

WEST BOUNDARY T. 7 S. R. 6 W.

Chains 62.35	Bottom of descent ravine drains N. 50° W. & begin ascent. Top of rocky ridge bears N. 60° W. & S. 60° E. Leave cedars and descend. Ravine drains N. 45° W. Set a limestone 16x8x5 ins. 10 ins. in the ground for cor. to secs. 7, 12, 13, & 18 marked 4 notches on the S. and 2 notches on N. edges; raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Land mountainous. Soil 3d rate stony Timber scattering cedars 70 ch. Land mountainous or covered with dense undergrowth 80 ch.
8.00	North bet. secs. 7 & 12 Top of point of rocky ridge bears N. 75° W. & S. 75° E.
19.00	Bottom of hollow drains N. 60° W. & begin steep ascent
27.60	Top of ridge N. 70° W. & S. 70° E. and descend over cliffs into hollow.
30.20	Bottom of hollow drains N. 70° W.
35.25	Top of point of hill bears N. 65° W. & S. 65° E.
40.00	Set a limestone 16x8x6 ins. 10 ins. in the ground for ¼ Sec. Cor. marked on W. face raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
42.70	Pits impracticable
58.10	Bottom of hollow drains N. 80° W.
73.58	Top of ridge bears S. 85° W. & N. 85° E.
80.00	Bottom of hollow drains S. 85° W. Set a limestone 18x10x6 ins. 12 ins. in the ground for cor. to secs. 1, 6, 7, & 12 marked 5 notches on S. and 1 notch on N. edges, raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
	Land mountainous Soil 4th rate stony Timber very few scattering cedars on ridges Land mountainous or covered with dense undergrowth 80 chs.
6.64	North bet. secs. 1 & 6 Top of ridge or saddle bears E. & W. and begin steep descent.
35.50	Bottom of hollow. drains N. 55° W. 600 ft. below last named ridge.

WEST BOUNDARY T. 7 S. R. 6 W.

Chains 40.00	Set a limestone 18x8x6 ins. 12 ins. in the ground for $\frac{1}{2}$ sec. cor. marked $\frac{1}{2}$ on W. face raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
42.00	Top of ridge 100 ft. high bears E. & W. and begin steep descent into canyon.
47.00	Bottom of Faust Canyon 150 ft. deep stream 3 lks. wide drains W. Begin very steep ascent.
62.00	Top of rocky ridge 400 ft. high bears S. 80° W. & N. 80° E. and begin steep descent.
73.00	Bottom of hollow stream 1 lk. wide drains S. 40° W.
80.00	Set temporary cor. for T. 6 & 7 S. Rs. 6 & 7 W. which I afterward made permanent on May 31, 1899, In sur- vey of N. boundary for description of which see notes of same this book.
	Land mountainous
	Soil 3d & 4th rate stoney
	Timbers scattering cedars on ridges
	Mountainous land 80.00 chs.

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NORTH BOUNDARY T. 7 S. R. 6 W.

Chains
S.E. 1/4 May 31st from temporary corner. Tps. 6 & 7 S.
R. 6 W. established by me last night.

From thence I run East on random lines along the N.
bdy. of T. 7 S. R. 6 W. setting temp. $\frac{1}{4}$ sec. and
sec. cors. at intervals of 40.00 chs. and at 277.17
chs. I fall 56 lks. S. of the established $\frac{1}{4}$ sec. cor.
bet. secs. 3 & 34. At 34 a sec. of stone

To 34. The falling answers to a correction of $0^{\circ} 07'$
or 16.1ks. S. per mile counting from the NW cor.
of the Tp. therefore I run S. $89^{\circ} 53'$ W. bet. secs.
3 & 34 up gentle ascent among cedars and dense under-
growth. To 34 I run a sec. of stone
3.00 Leave cedars
7.00 Enter cedars
34.20 Leave cedars
40.00 Set a sandstone 20x6x5 ins. 15 ins. in the ground
for cor. to secs. 3, 4, 33 & 34 marked 3 notches on
E. and 2 notches on W. edges raised a mound of stone
2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable
to 34. A cedar 18 ins. in diameter bears N. 41° W. 1.78
chs. dist. marked T. 6 S. R. 6 W. S. 33 B. T. A
cedar 18 ins. in diameter bears N. 72° W. 1.60 chs.
dist. marked T. 6 S. R. 6 W. S. 33 B. T. A cedar
12 ins. in diameter bears N. 55° W. 2 chs. dist. marked
T. 6 S. R. 6 W. S. 33 B. T. 16 chs. N. of cor.
To No other trees within limits
Land rolling
Soil 2d & 3d grade stony
Timber scattering cedars 27 chs.
Land covered with dense undergrowth 40.00 chs.

36.65 South $89^{\circ} 53'$ W. bet. secs. 4 & 33
Ravine drains N. 65° E.
37.00 Foot of steep mountain
40.00 Set a limestone 24x12x6 ins. 18 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face raised a mound
of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.
Pits impracticable

ADJACENT BOUNDARY, TNS. H. & G.Y.

Chains

A cedar 12 ins. in diameter bears N. 55° W. 1.15

chs. dist. marked $\frac{1}{2}$ S. 33° E. A cedar 8 ins. in

diameter bears S. 43° E. 1.85 chs. dist. marked $\frac{1}{2}$

S. 4° E. 2.00 chs. dist. marked $\frac{1}{2}$ S. 45° E. 2.20 chs.

42.00 Enter cedars

45.00 Leave sec. 32 & 33 go down hill to a ridge upon

66.85 Enter mahogany timber

80.00 Set a limestone 18x10x6 ins. 12 ins. in the ground

for cor. to secs. 4, 5, 32 & 33 marked 4 notches

on the E. and 2 notches on the W. edges, raised a

mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor.

Pits impracticable in the soil

Land rolling and mountainous clefts, soil 2d & 3d

Soil 3d & 4th rate stony

Timber cedars and mahogany 16.15 chs. 40 char.

Land mountainous or covered with dense undergrowth

80.00 chs. 100% weight 00.7

at 1000 feet 00.4

100% weight at 1000 feet 00.04

100% weight at 1000 feet 00.03

South 89° 53' W. bet. secs. 5 & 32

14.50 Top of mountain 1100 ft. high bears N. 15° E. & S.

15° E.

40.00 Leave timber, set limestone 24x12x10 ins. 18 ins. in

the ground for $\frac{1}{2}$ sec. cor. marked $\frac{1}{2}$ on N. face raised

a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor.

Pits impracticable in the soil

51.20 Bottom of swale Head of Two Spring Canyon drains S.

25° E.

75.00 Top of Mountain, divide between Rush Valley and Skull

Valley, bears N. & S. 1100 ft. high

80.00 Set a limestone 20x8x5.15 ins. in the ground for cor.

to secs. 5, 6, 31 & 32 marked with 5 notches on the

E. and 1 notch on the W. edges, raised a mound of

stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. 1 ft.

Pits impracticable in the soil

Land mountainous

Soil 2d & 4th rate stony

Timber scattering pine and mahogany 40 char. 80.00

Land mountainous or covered with dense undergrowth

80.00 chs. 100% weight 00.7

100% weight at 1000 feet 00.04

100% weight at 1000 feet 00.03

NORTH BOUNDARY OF T. S. R. 6 W.

Chains : South $89^{\circ} 53'$ W. bet. secs. 6 & 31, down gentle
descent into swale.
22.00 Bottom of swale drain S. 30° W.
32.00 Top of ridge bears N. 30° E. & S. 30° W.
40.00 Set a limestone 20x6x6 ins. 15 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face raised a mound of
stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.
Pits impracticable.
43.00 Ravine drains S. 45° W.
51.44 Top of ridge bears S. 35° W. and N. 35° E. begin
steep descent.
57.50 Ravine drains S. 45° W. and begin rather gentle
ascent.
70.00 Ridge bears S. 45° W.
77.17 Temporary cor. Set a limestone 20x8x6 ins. 15 ins.
in the ground for Tp. cor. to Tps. 6 & 7 S. Rs. 6 & 7
W. marked 6 S. on NE 6 W. on SE 7 S. on SW. & 7 W. on
NW faces and 6 notches on the N. SE & W. edges thus
making the temporary corner permanent, raised a mound
of stone 2 ft. base $1\frac{1}{2}$ ft. high S. of cor.

Pits impracticable

Land mountainous

Soil 3d rate stoney

Timber very few scattering cedars

Land mountainous or covered with dense undergrowth

77.17 chs.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Line Designated	True Bear.	Dist.	Latitudes	Departures	
			N. S.	E.	W.
S.bdy.T.7 S.R.6 W.	East	238.17		238.17	
Bet.Secs.33&34&27&28	N.0°02'W.	160.00	160.00		.10
" 22 & 27	N.89°53'E.	80.05	0.16	80.04	
" 22&23, 14&15, 10&11	N.0°01'W.	240.00	240.00		.09
" 2 & 3	N.0°14'E.	81.30	81.30		.33
N.bdy.T.7 S.R.6 W.	West	40.00			40.00
N.bdy.of T.7 S.R.6 W.	S.89°53'W.	277.17	277.17		277.17
W. " " " "	South	480.00	480.00		
Convergency					.40

Totals 481.46 480.56 318.54 317.76
 480.56 317.76

Errors in lat. Errors
 .90 in Dep. 0.78

and with Surveyor's signature May 31, 1899.

For General Description see notes of subdivisions of this Tp.

Monza J. Storkey,
 U.S. Deputy Surveyor.

Edgerton, O. H.

Note:-There being no notary public, or other officer authorized to administer oaths, within reasonable distance at the beginning of this survey, in order to save time and expense, I administer the preliminary oaths myself.

Monza J. Storkey.

U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by
..... United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

O. H. S. R. P. *8* Chainman.

Chainman.

Moundman.

Moundman.

Arman.

Arman.

Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted
....., United States Deputy Surveyor, in surveying all
those parts or portions of the

of the

meridian, of which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for

O. H. S. R. P. *8* Chainman.

Chainman.

Moundman.

Moundman.

Arman.

Arman.

Flagman.

Subscribed and sworn to before me this

day of , 189 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

United States Deputy Surveyor, do
solemnly swear that, in pursuance of a contract received from
United States Surveyor General for bearing date of the
day of 189 , I have well, faithfully, and truly, in my own
proper person, and to strict conformity with the instructions furnished by the United States Surveyor
General for the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of of the
meadow, in the which are represented in the
Surveying Instructions so far as surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

P. J. T.
United States Deputy Surveyor.

Subscribed by and and sworn to before me)
the day of 189)

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00000
00000

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

I. H. D. L. G. J. P. S. A. 1903, 189

The foregoing field notes of the survey of The first Part of the Boundary
of the District of Columbia,
from the Point of the Dark Rock Base
to the Point of the White Rock,
in the District of Columbia,

executed by

under his contract No. 26, dated Oct. 1st, 1897, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
maps they describe, are hereby approved.

E. H. Anderson
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the abovesigned surveys in
has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-295

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of
St. S. R. & W.of the Salt Lake Base and Meridian,
State of Utah

AS SURVEYED BY

Alonzo J. Shobery, United States Deputy Surveyor,
Under his Contract No. 0116, dated Oct. 29, 1897
Survey commenced June 1, 1899
Survey completed June 6, 1899

6-151

At 147.73. 92

NAMES AND DUTIES OF ASSISTANTS.

Hymn Millward	Chambers
Richard Orr	"
George S Stoekey	Moundman
Roger Millward	Admiral
Roger Millward	Flagman

INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

Sworn before me this 2d day of December, 1863.
I, Richard Dyer, do solemnly swear that we will well and truly perform the duties of assistants; that we will level the
alluvial soil and assist the moundsman, and plant the early grain, either by sowing or dropping the same; that
we will prepare the crop seedbeds for all suitable crops, and the trees throughout all time, that we cause to
be prepared, to the best of our skill and ability, and to agreeable with instructions given us, in the survey of
the land, and to the best of our skill and ability, to plant the trees and shrubs, and to cultivate the land, and to
do all other work and services required of us, and to the best of our skill and ability, to plant the trees and shrubs,
and to cultivate the land, and to do all other work and services required of us, and to the best of our skill and ability,
to plant the trees and shrubs, and to cultivate the land, and to do all other work and services required of us, and to the best of our skill and ability,

Hiram Willard, Chairman.

Richard Dyer, Chairman.

for the benefit and welfare of the State of Maine.

Done at Portland, this 2d day of December, 1863.

RECORDED
PUBLISHED
RECORDED

W. H. Dyer, Notary Public.

I, G. S. Stokey, do solemnly swear that we will well and truly perform the duties of moundsman in the establishment
of corners, and to the best of my skill and ability, in the survey of the land, and to plant the trees and shrubs, and to cultivate
the land, and to do all other work and services required of us, and to the best of my skill and ability, to plant the trees and shrubs,
and to cultivate the land, and to do all other work and services required of us, and to the best of my skill and ability,
to plant the trees and shrubs, and to cultivate the land, and to do all other work and services required of us, and to the best of my skill and ability,

G. S. Stokey, Moundsman.

Moundsman.

for the benefit and welfare of the State of Maine.

Done at Portland, this 2d day of December, 1863.

RECORDED
PUBLISHED
RECORDED

W. H. Dyer, Notary Public.

I, W. H. Dyer, do solemnly swear that we will well and truly perform the duties of moundsman in the establishment of corners
and to the best of my skill and ability, in the survey of the land, and to plant the trees and shrubs, and to cultivate
the land, and to do all other work and services required of us, and to the best of my skill and ability, to plant the trees and shrubs,
and to cultivate the land, and to do all other work and services required of us, and to the best of my skill and ability,
to plant the trees and shrubs, and to cultivate the land, and to do all other work and services required of us, and to the best of my skill and ability,

Roger Willard, Notary Public.

Notary Public.

for the benefit and welfare of the State of Maine.

Done at Portland, this 2d day of December, 1863.

RECORDED
PUBLISHED
RECORDED

W. H. Dyer, Notary Public.

I, W. H. Dyer, do solemnly swear that I will well and truly
perform the duties of moundsman according to the best of my skill and ability, for the benefit of my skill and ability, in the
survey of the land, and to plant the trees and shrubs, and to cultivate the land, and to do all other work and services required of us, and to the best of my skill and ability,
to plant the trees and shrubs, and to cultivate the land, and to do all other work and services required of us, and to the best of my skill and ability,
to plant the trees and shrubs, and to cultivate the land, and to do all other work and services required of us, and to the best of my skill and ability,

Roger Willard, Notary Public.

Notary Public.

for the benefit and welfare of the State of Maine.

Done at Portland, this 2d day of December, 1863.

RECORDED
PUBLISHED
RECORDED

S. H. D.

Hiram Willard, Chairman.

Chairman.

Subdivision of T. 7 S., T.R. 6 W.

chains.	Survey commenced June - 1 - 1899. for description of transit etc. see Book 'A'. I examine the adjustments of the transit, and correct the level and collimation errors.
	I commence at the cor. of secs. 22-23- 26 & 27 which is a limestone 6x10x4 in. above ground, firmly set and marked and witnessed as described by the Surveyor General. There is a N. 0. 01' W. bet. secs. 22 & 23. Over rolling land covered with scattering cedars and dense sage- brush undergrowth. Begin descent into Faust Canyon hollow.
2.00	Bottom of hollow drains S. 45° E. dry ^{bed of stream} Road bears N. 45° W. & S. 45° E;
4.00	Across hollow & begins ascent.
6.00	Top of ascent.
9.00	Road is Faust Canyon bears N. W. S. E.
13.00	" " " E. 47 W.
18.10	" " " E. 47 W.
40.00	Set a limestone 14x8x6 in. 9 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face, raised at around of stone 2 ft. base 1 1/2 ft. high W. of cor. This impracticable.
	A cedar 3 1/2" in diameter bears N. 5° E. 12 lbs. dist. marked 1/4 S. 23° B. T. J.
	A cedar 12" in diameter bears S. 15° W. 14 lbs. dist. marked 1/4 S. 22° B. T. J..
56.00	Top of ridge bears S. E. 47 W. and begin descent.
61.00	Bottom of hollow drains S. E. and ascend mountain.
70.00	Top of ascent and along back bone of rocky ridge bears S. 15° E. & N. 15° W.
78.00	Begin descent into hollow.

Surveyor of J. T. S. Tr. 6, T. 9

35.00	Set a limestone 18 x 8 x 8 ins. 12 ins. in the ground for cor. to sec. 14-15-22 & 23 marked 3 mother on S. and 2 on E. edges raised around of stone 2 ft. base 1 1/2 ft. high W. of cor.
	It is impracticable.
	A cedar 15 ins. in diameter bears N. 60° W. 6 lbs. dirt. marked J. T. S. Tr. 6 T. W. S. 13- T. 3. J.
	A cedar 12 ins. in diameter bears S. 40° E. 35 lbs. dirt. marked J. T. S. Tr. 6 T. W. S. 23 T. B. J. A cedar 8 ins. in diameter bears N. 30° E. 25 lbs. dirt. marked J. T. S. Tr. 6 T. W. S. 14 T. B. J.
	A cedar 10 ins. in diameter bears S. 5° W. 17 lbs. dirt. marked J. T. S. Tr. 6 T. W. S. 22 T. B. J.
	Land rolling and broken Soil rocky 4 1/2 rods
	Timber, cedars more or less scatter- ing. Land covered with dense undergrowth. \$0.00 chs.
40.00	N. 79° 27' E. on random line bet. sec. 14 & 23
40.00	Set limep 1/4 sec. cor.
70.00	Intersect N. & S. line 23 lbs. S. of cor. of secs. 13-14-23 & 24 which is a limestone 6 1/2 x 9 ins. above ground marked and untouched as described by the Surveyor General.
	The next door
	S. 89° 17' W. on tree line bet. sec. 14 & 23 Over rolling bench land through dense sagebrush undergrowth and scattering cedar timber.
35.16	Top of low ridge bet. S. 21° E. & N. 30° W.
40.25	Set a sandstone 13 x 6 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a number of stones all buried 1/2 ft. depth W. of corner

Subdivision of T. 4 S. R. 6 W.

chains.	Pits impracticable.
	A cedar 6 ins. in diameter bears N. 45° E. 65 lbs. dist. unmarked 1/4 S. 14° - 73. J.
	Cedar 1 1/2 in. in diameter bears S. 55° E. 1.47 ch. dist. unmarked 1/4 S. 23° 73. J.
70.00	Cedars become dense.
80.50	The cor. of secs. 14-15-22 & 23. Land rolling and broken. Soil 3rd rate. Timber cedar.
	Land covered with dense undergrowth 80-85 ch.
	N. 0° 01' W. betw. secs. 14 & 15.
	Descend over mountainous land covered with cedars.
4.00	Bottom of hollow drain S. 60° E. and ascend.
7.50	Top of ascent bears N. W. & S. E. and begin descent. Cedars become scattering.
9.00	Leave cedars bears E. 47 W.
15	Bottom of hollow drain S. 65° E.
22.40	Enter scattering cedar bear E. 47 W.
29.00	Top of cedar ridge bears N. W. & S. E. and begin descent.
40.00	Set a limestone 15 X 8 X 5 ins. 10 ins. in the ground for 1/4 sec. cor. unmarked 1/4 on W. face raised a mound of stone 2 ft. high 1/2 ft. high N. of cor. Pits impracticable.
	Leave cedar 2 1/2 in. in diameter bears N. 41° E. 5 lbs. dist. unmarked 1/4 S. 14° 73. J.
	cedar 1 1/2 in. diameter bear S. 45° W. 4 ch. dist. unmarked 1/4 S. 13° 73. J.
40.30	Bottom of hollow drain E. & begin ascent.
47.00	Top of ridge bears E. 47 W.
47.50	Leave cedar bear E. 47 W.
50.40	Bottom of hollow drain S. E.
58.00	Enter cedars bear E. 47 W.
63.45	Cedars become scattering.
74.50	Cross E. end of saddle bears N. W. & S. E. and descend.
79.50	Leave cedar bear N. 40° W. & S. 40° E.
80.00	Set a limestone 15 X 7 X 6 ins. 10 ins. in

Subdivision of T. 7 S. M. 6th

- chains the ground for cor. to sec. 10-11-14 + 1st
marked & notched on line E. 9 ft. from notches
on the S. edges, raised a mound of
stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable.
- Cedar 18 in. in diameter bears S
26° W. 8.5 lbs. dist. marked T. 7 S.
R. 6 W. S. 13° T. 3°
- Cedar 12" in. diameter bears S. 46° W.
8.7 lbs. dist. unmarked T. 7 S. R. 6 W. S.
15° T. 3° T.
- No other trees within limits
hard mountainous
- Soil 4th rate
- Timber, cedars:
- Mountainous land 8.0, 8.5 lbs.
- N. 89° 17' E. on random line belt sec.
114-14.
- Over land broken and rolling
through scattering cedars, dense
sagebrush and clusted manzanita
undergrowth.
- 40.00 Set. Bomb. 1/4 sec. cor.
- 8.0.35 3 intersect N. 4 S. line 3 lbs. S. of cor.
to sec. 11-12-13 & 14 which is a line
stone 5 X 12 X 7 ins. above ground
marked and witnessed as described
by the Surveyor General.
- The next 3 runs
- S. 89° 16' W. on line belt sec. 114-14.
- Over rolling land through dense
sagebrush undergrowth.
- 3.3.5 Enter scattering cedars
- 1.8.35 Leaves " and berries
gradual ascent
- 29.8.5 Top of ascent bears N. 7 W. 9 S. E.
- 36.3.0 Bottom of hollow draws S. 40° E.
- 36.8.3 Enter cedars

Subdivision of T. 7 S. Tr. 16 W.

Chains	
40.17	Set a sandstone 15 x 12 x 7 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face raised as mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
	A cedar 6 ins. in diameter bears N. 22° E. 61 lbs. dist. marked $\frac{1}{4}$ S. 11° E. J.
	A cedar 6 ins. in diameter bears S. 68° E. 61 lbs. dist. marked $\frac{1}{4}$ S. 14° E. J.
48.95	Leave cedars.
65.85	Begin descent.
67.35	Enter cedars.
69.85	Ravine drains S.
71.35	Top of ridge bears S. 35° E. + N. 35° W.
72.35	Enter cedars. Foot of mountain.
76.65	Ravine drains S. 25° E.
80.35	The cor. of secs. 10-11-14 + 15, larches rolling and broken Soil rocky 3 $\frac{1}{2}$ roods Timber cedar Land heavily timbered or covered with dense undergrowth 80.35' elev.
	N. 0° 01' W. bet. secs. 10 & 11.
13.80	Up steep ascent over mountainous land.
	Top of saddle in eastern spur of mountains, 500 ft. above valley bears S. 8° W.
14.00	Begin steep descent into hollow.
25.35	Enter dry cedar timber.
27.65	Bottom of deep hollow drains N. 70° E. and begin steep rough ascent.
36.75	Top of ridge bears N. 60° E. + S. 60° W. and descend.
39.15	Leave scattering cedars.
40.00	Set a limestone 18 x 1.2 x 7 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face raised mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

Subdivision of T. 7 S. R. 10 W.

Chains	Cedar 12 ins. in diameter bears S. 37° E. 1.29 ch. dist. unmarked 1/4 S. 11 7B. J.
	Cedar 18 ins. in diameter bears S. 85° E. 90 lbs. dist. unmarked 1/4 S. 11 7B. J.
44.65	Bottom of hollow drain. E. & ascend.
54.30	Begin descent into deep hollow bears S. 85° E.
57.30	Wood road in the bottom of hollow bears S. 65° E. and N. 65° W. Follow drains S. 65° E. and ascend.
63.64	Top of ascent bears E. & W.
67.10	Bottom of hollow drains E.
73.00	Top of ascent and begin descent, enter thick cedars. bears E. & W.
80.00	Set a limestone 12 X 8 X 7 ins.; 8 ins. in the ground for cor. its sec. 2-3-10 & 11 marked 2 notches on E. & 3 notches on S. edge; raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. This impracticable.
	Cedar 10 ins. in diameter bears S. 1° W. 10 lbs. dist. unmarked T. 7 S. R. 6 W. S. 10 7B. J.
	Cedar 5 ins. in diameter bears N. 30° W. 25 lbs. dist. marked T. 7 S. R. 6 W. S. 3 7B. J.
	Cedar 12 ins. in diameter bears N. 5° E. 37 lbs. dist. unmarked T. 7 S. R. 6 W. S. 2 7B. J.
	Cedar 6 ins. in diam. bears S. 35° E. 30 lbs. dist. marked T. 7 S. R. 6 W. S. 11 7B. J.
	Land mountainous.
	Soil 4th rate.
	Timber cedars.
	Land mountainous all covered with dense timber. 80:00 chs.

Subdivision of T. 7 S. 7 R. 6 W.

Chains	NW. 89° 16' E. on random line bet. sec.
	24.11.
40.00	Set temp $\frac{1}{4}$ sec. cor.
80.23	Entered N. & S. line 16 lbs. N. of cor. of sec. 1-2-11-12, which is a lime- stone 5' X 15' X 8 ins. above ground marked and witnessed at describ- ed by the Surveyor General. Then I run
	S. 89° 23' W. on true line bet. sec. 24-11
	Over rolling bench land through dense sage brush and bastard mahogany undergrowth and scattering cedar timber, ascending
16.23	Top of ascent.
21.23	Cedars become dense
22.55	Bottom of hollow drains N. 70° E. cedars become scattering.
38.23	Foot of mountain leave dense undergrowth
40.12	Set a limestone 15' X 8' X 6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
	A cedar 18 ins. in diameter bears S. 30° W. 24 lbs. dist. marked $\frac{1}{4}$ S. 11 B. J.
57.23	Top of ascent bears S. 70° E. N. 70° W. & descend
68.30	Bottom of hollow drains S. 73° E. and ascend.
- 80.23	The cor. of sec. 2-3-10 and 11. Land mountainous and broken. Soil rocky 4 th rate. Timber, cedars. Land covered with dense under- growth or mountainous land S. 0. 23 ch.

Subdivision of T. 7. S. R. 6. W.

- Chain N. 0.01' W. on random line bet. secs.
24 3.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 81.30 Intersect N. bdy. of Tp. 25 lbs. W.
of the cor. of secs. 2-3. 34 & 35 which
is a post-and-around of rock.
marked and witnessed as described
by the Surveyor General.
Thence S. run.
- S. $0^{\circ}14'$ W. on true line bet. secs. 24 3
Over rolling bench land, through
scattering cedars and dense sage-
brush undergrowth.
- 3.85 Top of low ridge bears E. and descend
gently.
- 15.85 Leave scattering cedars bears E. & W.
- 17.85 Bottom of hollow, drains E.
- 18.85 Enter cedar timber bears E. & W.
- 22.85 Leave " " " " "
- 26.50 Wood road bears N. E. & S. W.
- 29.35 " " " E. & W.
- 30.85 Begin steep descent into Two Spring
hollow.
- 33.85 Bottom of hollow, drains E. & ascend,
very steep bank.
- 35.35 Top of ascent bears E. & W. and enter
scattering cedar timber, bears E. & W. and
- 39.35 Ravine drains E.
- 41.30 Set a limestone $14 \times 10 \times 6$ ins. 10 ins. ins.
the ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face, raised a mound of
stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable
- A cedar 4 ins. in diameter bears S. 8° W.
77 lbs. dist. marked $\frac{1}{4}$ S. 3 T. 3.
- A cedar 7 ins. in diameter bears East 5-6
lbs. dist. marked $\frac{1}{4}$ S. 2 T. 3.
- 53.50 Wood road bears N. E. & S. W.
- 54.35 Follow drain N. E.
- 59.25 Top of ridge bears E. & W. and descend.
- 60.45 Wood road bears E. & W.
- 68.35 Ravine drains E.

Subdivision of T. 7. S. Tr. 6 W.

chains 68.85	Wood road bears E. + W. and begin steep ascent.
70.35	Ascent becomes less steep
71.30	The cor. of secs. 2 - 3 - 10 + 11. Land rolling and broken Soil gravelly $\frac{3}{4}$ rd. rate. Timber, cedar Land heavily timbered or covered with dense undergrowth 81.30 chs.

June - 1 - 1899.

From the cor. of secs. 3, 4, 33 + 34,
on S. bdg. of the Tp. which is a blue
limestone 5 X 6 X 6 ins. above ground
marked and witnessed as described
by the Surveyor General.

Ground

N. 0° 2' W. bet. secs. 33 + 34.

Over land gently sloping to the
S. E. through heavy cedar timber.

23.00 Descend into hollow drain S. E. leave
cedars bear S. E. + N. W. and enter
dense sage brush undergrowth

24.00 Bottom of hollow drain S. 40° E. and
begin ascent over point of hill.

25.20 Top of ascent bears S. 40° E. + N. 40° W.
and begins descent.

32.00 Enter cedar timber bears S. E. + N. W.

Set a limestone 15 X 10 X 8 ins. 10 ins. in
the ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face, raised a mound of
stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable

A cedar 6 ins. in diameter bears S. 70° W.
38 lbs. dist. marked $\frac{1}{4}$ S. 33 - 73. J.

A cedar 6 ins. in diameter bears N. 68° E.
24 lbs. dist. marked $\frac{1}{4}$ S. 34 - 73. J.

Wood road bears S. 45° E. + N. 45° W.

Subdivision of T. 4 S. R. 6 W.

Chains 77.00	Begins gentle ascent.
80.00	Set a limestone 15 x 8 x 6 ins. 10 ins. in the ground for cor. of secs. 27, 28, 33 & 34. marked 1 notch on S. and 3 notches on E. edge, raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pile impracticable.
	A cedar 10 ins. in diameter bears N. 45° W. 11 lbs. dist. marked T. 4 S. R. 6 W. S. 28 T. 3. J.
	A cedar 18 ins. in diameter bears N. 45° E. 70 lbs. dist. marked T. 4 S. R. 6 W. S. 27 T. 3. J.
	A cedar 6 ins. in diameter bears S. 35° E. 12 lbs. dist. marked T. 4 S. R. 6 W. S. 34 T. 3. J.
	A cedar 10 ins. in diameter bears N. 85° W. 20 lbs. dist. marked T. 4 S. R. 6 W. S. 28 T. 3. J.
	Land, gently rolling
	Soil, gravelly 4 1/2 rods
	Timber cedar
	Heavily timbered land or land covered with dense undergrowth
80.00 chs.	
	E. on random line belt. secs. 27 & 34.
40.00	Set temp 1/4 sec. cor.
80.26	Swierseck N. 4 S. lined 16 lbs. N. of cor. of secs. 26, 27, 34 & 35.
	Thence S. over N. 89° 5' 3" W. on line belt. sec. 27 & 34.
	Over land sloping gently to the S. E. through dense sagebrush undergrowth.
18.00.	Leave sagebrush and enter cedar timber. bears S. E. 4 W.
40.13	Set a limestone 15 x 7 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pile impracticable.

Subdivision of T. 7 S. R. 6 W.

chains	A cedar 18" i.d. in diameter bears S. 45° W. 7 lbs. dist. marked 1/4 S. 34° E. T.
	A cedar 6 ins. in diameter bears N. 45° W. 7 lbs. dist. marked 1/4 S. 27° E. T.
32.26	Leave cedar timber bears N. 45° and enter dense sagebrush.
55.25	Wood road bears S. E.
59.60	Hollow drains S. E. leave sage brush and enter cedar timber bears N. W. + S. E.
65.00	Follow drains S. E.
- 80.26	The cor. of secs. 27-28-33+34. Land sloping to the S. E. Soil gravelly 3 rd rate. Timber, cedar Land heavily timbered or covered with dense undergrowth 80.26 chs.
	N. 0° 02' W. bet. secs. 27 & 28.
	Up gentle ascent through cedar timber over point of hill.
6.00	Top of ascent bears S. 45° E. + N. 45° W.
10.00	Cedars become scattering, enter dense sagebrush undergrowth, bears N. E. and S. W.
13.00	Bottom of ravine drains S. E. + begin ascent
16.00	Top of ascent bears S. 45° E. + N. 45° W.
19.40	Bottom of hollow drains S. E. + begin ascent over point of hill.
21.00	Top of ascent bears S. 45° E. + N. 45° W.
22.00	Bottom of hollow drains S. 15° E. + continue up hollow.
29.00	Leave hollow and begin ascent crossing ledge of iron ore bears N. W. + S. E.
30.50	Quartzite ledge bears N. W. + S. E.
32.00	Top of Quartzite ridge bears S. 30° E. + N. 30° W.

Subdivision of T-7 S. R-6 W.

Chain	Description
36.15	Woodroad, bears S. 60° E. & N. 60° W.
40.00	Set a limestone 13 x 6 x 6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, raised a mound of stone 2 ft. base $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
	A cedar 12 ins. in diameter bears S. 25° E. 6 lbs. dist. marked $\frac{1}{4}$ S. 27 T. 3 J.
	A cedar 7 ins. in diameter bears East 10 lbs. dist. marked $\frac{1}{4}$ S. 27 T. 3 J.
43.60	Ravine drains S. E.
44.50	Cedar timber becomes heavy leave dense undergrowth.
49.00	Cedars become scattering, under growth becomes dense, descend.
53.00	Bottom of hollow drains S. E. and ascend.
60.00	Top of ridge bears S. 35° E. & N. 35° W. and descend.
66.80	Bottom of hollow drains S. E.
70.50	Top of ascent bears S. 40° E. & N. 40° W. and begin descend.
72.50	Leave scattering cedar bear E. & W. continue in dense undergrowth.
74.50	Bottom of descent and begin granite ascent. bears N. 35° W. & S. 35° E.
76.00	Begin descent bears N. 45° W. & S. 45° E.
77.50	Bottom of hollow drains S. E. and ascend.
79.50	Top of ascent bears N. 50° W. & S. 50° E.
80.00	Set a limestone 13 x 6 x 6 ins. 10 ins. in the ground for cor. of recs. 21, 22, 27 & 28 marked with 2 notches on the S. and 3 notches on the E. edges raised a mound of stone 2 ft. base $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
	A cedar 10 ins. in diameter bears N. 2° E. 2 lbs. dist. marked T. 7 S. R. 6 W. S. 22 T. 3 J.
	A cedar 10 ins. in diameter bears N. 45° E. 5 lbs. dist. marked T. 7 S. R. 6 W. S. 22 T. 3 J.

Subdivision of T. 7 S. R. 6 W.

Chains	A cedar 7 ins. in diameter bears S. 55° E. 41 lbs. distant marked T. 7 S. R. 6 W. S. 27 B. J. A cedar 10 ins. in diameter bears N. 70° E. 50 lbs. distant marked T. 7 S. R. 6 W. S. 22 B. J. Land rolling and broken Soil gravelly 3" note. Timber, cedar If easily timbered land or land covered with dense undergrowth \$0.00 chs.
	N. 89° 53' E. on random line bet. secs. 22 & 27.
40.00	Set strip 1/4 sec. corner.
80.05	Directed N. 45 S. line at the cor. of secs. 22-23-26 & 27. Thence N. run S. 49° 53' W. on the line bet. secs. 22 & 27
5.50	Over gently rolling ground covered with cedar timber and dense sage brush undergrowth. Wood road bears S. 70° E. & N. 70° W.
8.50	Recross same road again bears N. 7° E. & S. 70° W.
12.30	Recross same road again bears N. 7° E. & S. 75° W. timber becomes heavier.
25.50	Recross same road again bears N. 73° E. & S. 73° W. timber becomes heavier
37.00	Timber becomes less heavy.
40.02 1/2	Set a limestone 16 x 10 x 10 ins 12 ins. in the ground for

Subdivision of T. 9 S. R. 6 W.

	$\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high of cor.
	This impracticable A cedar 10 ins. in diameter bears N. 90° E. 10 lbs disk marked $\frac{1}{4}$ S. 22° B. J.
	A cedar 24 ins. in diameter bears S. 45° E. 15 lbs disk marked $\frac{1}{4}$ S. 27° B. J.
63.00	Wood road bears S. 40° E. & N. 40° W.
71.00	Wood road bears S. 45° E. & N. 45° W.
80.05	The cor. of secs. 21-22-27 & 28. Land gently rolling. Soil 2" note gravelly Timber cedar Land covered with heavy timber or dense sagebrush undergrowth 80.05 - chs.
	N. 0° 02' W. between sect. 21 & 22. Over rolling and hilly land through cedar timber
5.00	Begin gentle ascent. bears S. 30° E. & N. 30° W.
16.00	Top of ridge bears S. 30° E. and N. 30° W. and begin descent Timber becomes heavier
29.60	Leave cedar timber bears S. E. & N. W. enter dense sage- brush undergrowth
33.40	Bottom of hollow drains S. E. and begin ascent.
31.00	Top of low ridge bears E. & W. and descend.

Subdivision of T. 7 S. R. 6 W.

Chains 34.50	Enter cedar timber bears E. & W. Leave cedar timber bears E. & W. and continue through dense sagebrush undergrowth
37.50	Bottom of hollow draws E. & begin ascent.
38.50	Bottom of hollow draws E. & begin ascent.
40.00	Set a limestone 16 x 14 x 12 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
	A cedar 12 ins. in diameter bears N.E. 4 1/2 ins. dist. marked 1/4 S. 21 1/2 B. T.
	A cedar 12 ins. in diameter bears S. 40° E. 32 lbs. distant marked 1/4 S. 22 1/2 B. T.
41.50	Top of ridge bears E. & W. and enter cedar timber bears E. & W. & descend
45.75	Bottom of hollow draws E. & ascend
52.50	Top of low ridge bears E. & W. and descend
54.40	Leave cedar timber bears E. & W. & continue through dense sagebrush undergrowth.
	Bottom of hollow draws E. & ascend
61.50	Top of gentle ascent and begin descent into Fault-Canyon bottom.
69.00	Begin ascent over point of hills
70.75	Top of point, wagon road bears N. W. & S. E.
73.15	Foot of point, wagon road bears N. W. & S. E.
74.00	Fault Canyon Creek 3 lbs. wide - run S. 45° E. and begin gentle ascent.

Subdivisions of T. 7 S. R. 6 W.

- Chain
50.00 Set a sandstone 15 x 6 x 6 ins. 10 lbs.
in the ground for cor. of sec.
13-16-21 + 22. marked T. 7 S. R. 6 W.
E. & 6 W. on S. E. face 3 notches
on the S. & E. edges raised a
mound of stone 2 ft. base 1 1/2 ft.
high W. of cor.
Pits impracticable
A cedar 9 1/4 ins. in diameter
beats N. 55° W. 6 lbs. dist.
marked T. 7 S. R. 6 W. S. 16
B. J.
A cedar 12 ins. in diameter
beats N. 58° W. 6 1/2 lbs. dist.
marked T. 7 S. R. 6 W. S. 16 B. J.
A cedar 30 ins in diameter beats
N. 5° W. 4 1/2 lbs. dist. marked
T. 7 S. R. 6 W. S. 16 B. J.
A cedar 18 ins in diameter
beats N. 20° W. ^{50 lbs dist.} marked T. 7 S. R.
6 W. S. 16 B. J.
Land rolling and broken
Soil 2" + 3" rate
Timber cedar
Land covered with heavy timber
or dense undergrowth \$0.00 ch.
N. 89° 53' E. on random line bet.
sec. 13-4-22.
40.00 Set larch 1/4 sec. cor.
80.27 S intersect N. + S. line 10 lbs. S. of
cor of sec. 14-13-22 + 23
Then S run S. 89° 57' W. bet. sec.
13-4-22.
Cover rough mountainous land
covered with cedar timber
5.00 Follow drain S. E. & ascend
7.00 Begin descent beats N. 35° W. 4 S. 35° E.
9.00 Follow drain S. E. & begin ascent of high
ridge.
27.00 Top of ridge beats N. + S. 400 ft. above
last marked sec. cor.

Subdivision of T. 7 S. R. 6 W.

Chains 36.00	Bottom of hollow drains S.
40.13½	Set a sandstone 15X8X6 ins. 16 ins. in ground for ¼ sec. cor. marked ¼ on W. face raised a round of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	A cedar 1½ in. diam. bears N. 85° W. 20 lbs. dist. marked ¼ S. 15° B. T.
	A cedar 1½ in. diam. bears N. 80° E. 35 lbs. dist. marked ¼ S. 15° B. T.
46.00	Bottom of hollow drains S. & ascend
50.00	Top of ridge bears N. & S. & descend.
54.00	Bottom of hollow drains S. & ascend
57.00	Top of ridge bears N. & S. & descend
78.25	Leave cedar timber & bastard mahogany underbrush, bears N. & S.
80.27	The cor. of sec. 15-16-21+22. Land mountainous Soil stony 4 th rate. Timber cedar. Mountainous land 80.27 chrs.
	N. 0° 02' W. vert. sec. 15+16.
	Over mountainous land up steep ascent.
0.40	Enter cedar timber bears E. & W.
1.75	Enter hollow, drains S. W.
5.30	Bottom of hollow begins steep ascent over shale rock
9.00	Ascent becomes less steep
20.00	Cedar timber becomes scattering
22.00	Ascent becomes very gentle along W. slope of hill and descend bears N. 30° E. 4 S. 30° W.
33.00	Follow drains S. W. and ascend.
40.00	Set a sandstone 18X10X6 ins. 12 ins. in ground for ¼ sec. cor. marked ¼ on W. face, raised a round 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	A cedar 2 ¼ in. diam. bears N. 45° W. 28 lbs dist. marked ¼ S. 15° B. T.
	A cedar 1 ½ in. diam. bears N. 45° E. 31 lbs dist. marked ¼ S. 15° B. T.
46.00	Top of steep ascent bears S. W. & N. E.
48.00	Begin descent into hollow cedar timber heavy.

Subdivision of T. 7. S. T.R. 6. W.

Chains 55.00	Bottom of hollow drains S. W. & begins steep ascent.
63.00	Top of ridge bears S. W. & N. E. cedar timber scattering.
67.00	Hollow drains S. W. & ascend over cedar point.
70.00	Descend into hollow bears N. 30° E. & S. 30° W.
73.00	Bottom of hollow drains S. 30° W. & begins steep ascent.
74.30	Ascent less steep, leaves cedar timber bears E. & W.
75.30	Along W. face of bare side hill
80.00	Set a limestone 15 X 8 X 6 ins. 10 ins. in the ground for cor. of secs. 9-10-13 & 16. marked 4 notches on the S. and 3 notches on E. edges, raised around of stone 2 ft. base 1 1/2 ft. high W. of cor. Pile impracticable.
	Cedar 4 ins. in diam. bears N. 42° W. 93 lbs. dist. marked T. 7 S. T.R. 6 W. S. 9 T.B. J.
	Cedar 1 1/2" in diam. bears N. 65° W. 90 lbs. dist. marked T. 7 S. T.R. 6 W. S. 9 T.B. J.
	Cedar 6 ins. in diam. bears S. 32° W. 60 lbs. dist. marked T. 7 S. T.R. 6 W. S. 16 T.B. J.
	Cedar 1 1/2" diam. bears N. 70° W. 90 lbs. dist. marked T. 7 S. T.R. 6 W. S. 9 T.B. J.
	Land mountainous
	Soil stony 3 rd & 4 th rate
	Timbers, cedar
	Mountainous land 80 chs.

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	N. 89° 57' E. on random line bet. secs. 10 & 13:
40.00	Set a term 1/4 sec. cor.
80.00	Entered N. 4 S. line at cor. of secs. 11-12 & 14-15. Then I run S. 89° 57' W. on true line bet. secs. 10 & 13.
	Over mountainous land up ascent.
2.00	Enter cedar timber bears N. & S.
8.70	Ledge bears N. & S. on point of hill & descend
17.00	Foot of steep descent prairie drain S. & ascend.
23.00	Top of ascent, leaves cedar timber bears N. & S.
24.30	Bottom of hollow drains S. E. and ascend.
40.00	Set a limestone 15 X 8 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. on steep face of mountain facing W. marked 1/4 on W. face raised a around of stone 2 ft. base 1 1/2 ft. high W. of cor. Pile impracticable.

Subdivision of T. 7 S. R. 6 W.

Chain 55.00	Conglomerate ledge bears N. 4 S. descent becomes less steep.
56.00	Descent becomes still less steep.
57.00	Top of bare ridge, divide betw. Faust Canyon & Grasshopper, bears S. 25° E. 47' N. 25° W. 600 ft. above the cor. of secs. 15-16-21 & 22.
58.00	The cor. of secs. 9-10-15-16.
	Land mountainous
	Soil stony 3 rd & 4 th miles
	Timber, very little scattering cedar
	Mountainous land \$0.00 chs.
	N. 0° 09' W. bet. secs. 9 & 10
	Over mountainous land.
1.80	Bare ridge 500 ft. high bears S. 25° E. 47' N. 25° W. divide betw. Faust Canyon & Grasshopper Canyon.
6.50	Bottom of descent drains to. Ascend among scattering cedar timber.
11.00	Top of bare ridge, divide between Faust & Two Spring Canyon 600 ft. high, leaves scattering cedars & descend along W. side of ridge running N. & S.
27.00	Enter scattering cedar timber bears N. W. & S. E.
35.00	Leave scattering cedar timber bears E. & W.
36.00	Limestone ledge bears E. & W. & descended.
40.00	Foot of descent, set a limestone 18 x 8 x 7 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised around of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
	Cedar 4 1/2 in. diameter bears N. 38° W. 1.43 ch. dist. marked 1/4 S. 97 B. T. No other trees within limits.
41.00	Enter cedar timber, bears E. & W. in 3 ch.
50.30	Leave cedar timber, bears E. & W. descent becomes less steep.
65.40	Follow, drains S. 65° E. and ascend.
66.40	Enter cedar timber bears E. & W.

Subdivision of T. 7 S. R. 6. W.

Chains	
73.00	Top of ridge bears E. & W. & ascended.
76.50	Leave cedar timber, bears E. & W.
78.00	Ravine drains E. and begin steep ascent.
80.00	Sed. limestone 18x10x6 ins. 12 ins. in the ground for cor. of secs. 3-4. 9 & 10 marked boundaries on S. & switches on the E. edges raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
	Cedar 24% in diam. bears S. 28° E. 12 ins. disk marked T. 7 S. R. 6 W. S. 10 T. 3 J.
	No other trees within limits.
	Land mountainous
	Soil stony 3rd & 4th rate.
	Timber, scattering cedars.
	Mountainous land 80.00 ch.
	N. 49° 57' E. on random line bet. secs. 3 & 10.
40.00	Sed. limestone 1/4 sec. cor.
79.75	Interest the 1/4 sec. at the cor. of secs. 2-3 & 10 & 11.
	Thence S. 45° E.
	S. 59° 57' W. on tree line bet. secs. 3 & 10.
	Overmountainous land through cedar timber
4.00	Bottom of ravine drains N. E. & ascended.
10.00	Top of ascent bears N. 60° E. & S. 60° W. & descended
17.00	Bottom of hollow, drains N. E. & ascended over point of hill.
21.00	Top of point of hill, bears N. 45° E. & S. 45° W.
22.00	Ravine drains N. E. and ascended.
27.00	Leave cedar timber bears N. 60° E. & S. 60° W.
39.00	Top of ridge bears N. 35° W. & S. 35° E. enter cedar timber bears N. 35° W. & S. 35° E.
39.87 1/2	Sed. limestone 18x6x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

Subdivision of T. 7 S. Tr. 6 W.

Chains	A cedar 6 ins. in diam. bears N. 40° E. 9 lbs. dist. marked 1/4 S. 3 TB. J.
	A cedar 7 ins. in diam. bears N. 45° W. 7 lbs. dist. marked 1/4 S. 3 TB. J.
51.30	Leave cedar timber bears N. 40° W. & S. 40° E.
53.30	Bottom of hollow drains N. W. & ascend
59.30	Top of ridge and limestone ledge bears N. 40° W. & S. 40° E. enter cedar timber bears N. 40° W. & S. 40° E. and descend.
64.00	Leave cedar timber, bears N. 40° W. & S. 40° E.
65.00	Bottom of ravine, drains N.
67.50	Enter cedar timber, bears N. & S.
70.30	Bottom of hollow, drains N. 45° E. and ascend.
79.73	The cor. of secs. 3, 4, 9 & 10. Land mountainous Soil 2" & 3" rate, stony. Timber, cedar. Mountainous land 79.73 chrs.

N. 0°2' W. on random line bet. secs.

3 & 4.

40.00	Sect. temp 1/4 cor.
81.06	Intersect N. bdy. of Tp. at cor. of secs. 2, 3, 33 & 34, heretofore described Thence S. 0°02' E. on tree line bet. secs. 3 & 4. Over broken mountainous land covered with dense sage brush undergrowth and scattering cedar timber.
10.30	Enter cedar timber, bears E. & W. ascend gently.
16.00	Top of ridge, bears E. & W. & descend
28.30	Bottom of N. fork of Two Spring Canyon drains E. & ascend.
33.50	Top of ridge bears E. & W. & descend
41.06	Sect. a limestone 18 x 8 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. on brow

Subdivision of T. 4 S. R. 5 W.

	Chains hill facing S., marked 1/4 owl. face, raised a mound of stone 2 ft. base 1/2 ft. high W. of cor. Pits impracticable
437.5	Bottom of fork of Two Spring Canyon stream 4 lbs. wide flows E. & ascend
52.00	Top of ridge bears E. & W.
64.25	Bottom of hollow drains E. & ascend
75.30	Point of hill bears N. 45° E. & S. 45° W. and descend
81.06	The cor. of sec. 3 - 4 - 9 4 10 land mountainous Soil 3 1/2 - 4 ft. rate Timber cedar. Land mountainous or covered with dense undergrowth 81.06 chs.

From the cor. of secs. 4 - 3 - 32 4 33 SW.
S. bdg. of the Tp. heretofore described
Thence down
N. 0° 2' W. on true line bet. secs.
32 4 33.

	Over rolling land through dense sage brush undergrowth
4.13	Enter grove of cedar timber bears E. & W.
9.00	Leave grove of cedar timber bears E. & W.
28.50	Begin descent into hollow bears S. 45° E. and N. 45° W.
35.90	Bottom of hollow drains S. 45° E.
40.00	Sed. limestone 13 X 6 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 owl. face raised a mound of stone 2 ft. base 1/2 ft. high W. of cor. Pits impracticable

Subdivision of T. 7 S. R. 6 W.

Chains 47.50	Top of ridge bears S.E. & descend.
57.00	Bottom of ravine drains S. 45° E. and ascend over limestone ledge.
63.00	Top of ascent bears N. 45° W. & S. 45° E. and descend into hollow.
67.00	Bottom of hollow drains S.E. and begin steep rocky ascent.
70.50	Enter scattering cedar timber. bears E. 47W.
79.00	Leave scattering cedar timber bears S.E.
80.00	Set a conglomerate stone 20 x 6 x 6 ins 15 ins. in the ground for cor. of sec. 28-29-32 & 33. marked 1 notch on S. and 4 on E. edges raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
	A cedar 12 ins. in diameter bears N. 83° E. 82 lbs. dist. marked T. 7 S. 42 W. S. 28 B. J.
	A cedar 10 ins. in diameter bears S. 3° E. 1.00 ch. dist. marked T. 7 S. 42 W. S. 23 B. J.
	No other trees within limits.
	Land rolling and broken
	Soil 3 to 4 ft. rate.
	Timber, scattering cedars
	Land covered with dense under-growth 80.00 chs.
	East on random line bet. secs. 28 & 33
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. & S. line 30 lbs. S. of cor. of secs. 27-28-33 & 34.
	Shaded ground
	S. 89° 47' W. on line bet. secs. 28 & 33
	Over rolling ground through dense sage brush undergrowth and scattering cedar timber.

Subdivision of T. 4 S. R. 16 W.

Chains	
7.00	Wood road bears S. 45° E. & N. 45° W. and leave cedar timber, bears S. E. continue through undergrowth.
4.0.00	Set a limestone 20 X 14 X 10 in. 15 in in the ground for 1/4 sec. cor. marked 1/4 in N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
4.3.00	Ascent becomes more steep, foot of mountain, leaves dense undergrowth.
5.3.00	Top of bare ridge, bears S. 45° E. & N. 45° W. 350 ft. above last marked sec. cor.
5.8.60	Enter scattering cedar timber bears N. & S.
5.6.60	Leave scattering cedar timber bears N. & S.
5.7.40	Foot of descent & begin ascent bears N. 45° W. & S. 45° E.
6.1.30	Enter scattering cedar timber bears S. E. & N. W. and proceed along S. side of hill.
7.1.00	Leave scattering cedar timber bears S. E. & N. W..
7.7.00	Enter scattering cedar timber bears S. E. & N. W. rocky.
7.7.80	Top of point bears N. & S. 500 ft. above last marked sec. cor.
7.9.18	Leave scattering cedar timber bears N. & S.
80.00	The cor. of secs. 28-29-32 & 33 Land rolling and mountainous. Soil stony 3 rd rate. Timber scattering cedar. Mountainous land 3 rd ch. covered with dense undergrowth 4 th ch.

Subdivision of T. 7 S. R. 6 W.

Chain	N. 0° 2' W. bet. sec. 24 & 29.
	Over mountainous land up bare side of ridge
4.60	Top of ridge bears S. 70° E. 9° W. 70° W. 550 ft. high and begin steep descent.
13.00	Foot of descent and begin steep ascent bears E. 4° W.
22.70	Top of rocky ridge bears S. 73° E 8° W. 73° W. 575 ft. high and begin steep descent.
33.80	Bottom of hollow drains S. 65° E.
40.00	Set a limestone 15 X 8 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. unmarked 1/4 on W. face, raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. A cedar 15 ins. in diam. bears East 1.16 chs. unmarked 1/4 S. 29° T3. J.
	A cedar 5 ins. in diam. bears S. 75° E.
47.10	1.00 ch. dirt. unmarked 1/4 S. 29° T3. J.
	Top of ridge, bears E. 4° W. 575 ft. high 4.00 ch. E. of road side, lower, scattering cedar. diameter bears E. 4° W. and begins steep descent.
57.50	Bottom of hollow drains E. 4° W. unmarked.
63.00	Top of ridge, bears E. 4° W. and begins steep descent.
69.60	Bottom of hollow drains E. 4° W. begins descent.
79.10	Top of smooth ridge, bears E. 4° W. 500 ft. high.
- 80.00	Set a limestone 15 X 9 X 8 ins. 10 ins. in the ground for cor. of sec. 20-21-29 + 29. unmarked with 2 notches on the S. & 4 notches on the east edges. raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable
	Land mountainous
	Soil stony 3 rd rate.
	Timber, scattering cedar and mahogany on first 1/2 miles.
	Mountainous land 80.00 chs.

Subdivision of T. 7 S. R. 16 W.

Chains	N. 89° 47' E. on random line bet. secs. 21 & 28
40.00	Sect. strip. $\frac{1}{4}$ sec. cor.
80.00	Entered N. & S. line. 16 lbs. S of cor. of secs. 21-22-27 & 28
	Then, found
	S. 89° 40' W. on tree line bet. secs. 21 & 28
	Over rolling, broken ground through dense sage brush undergrowth
17.00	Clump of cedars on line. Th. through it.
26.00	Enter scattering cedar, bear N. W. & S. E.
27.00	Leave scattering cedar bear N. W. & S. E.
33.00	Enter scattering cedar timber bear N. W. & S. E. and begin descent.
34.50	Leave scattering cedar timber bear N. W. & S. E.
40.00	See a quartzite stone 18 x 6 x 6 ins., 12 ins. in the ground. for $\frac{1}{4}$ sec. cor. outside hill facing N. W. marked $\frac{1}{4}$ on N. face raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high. N. of cor. Pits impracticable
	A cedar 6 ins. in diameter bear N. 30° W. 60 lbs. dist. marked $\frac{1}{4}$ S. 21. T. 3.
	No other trees within limits.
41.40	Bottom of hollow drain N. 65° E. and ascend along S. face of hill
63.50	Top of ridge bears N. 70° E. & S. 70° W. and begin descent along N. face
80.00	The cor. of secs. 20-21-28 & 29 Land rolling & broken Soil, stony & rare. Timber, scattering cedar. Land covered with dense under- growth 80.00 chains

June 3, 1899

Subdivision of T. 7 S. R. 6 W.

Chains	At the cor. of secs. 20-21-28+29 at 2 ¹ . 32 m. a. m. I. m. I. Junes 4-1899. I observe Polaris at eastern elongation in accordance with the Manual of instructions and mark a point in the line thus determined on a plug driven in the ground & chs. N. of my station. At 7: a. m. I lay off the azimuth of Polaris $1^{\circ} 37'$ to the W. and mark the true meridian thus determined by driving a stake in a wooden plug W. of the point established last night. The magnetic bearing of the true meridian is N. $16^{\circ} 31'$ W. which reduced by the table on page 100 of the Manual gives the mean magnetic declination N. $16^{\circ} 25'$ E.
	N. $0^{\circ} 02'$ W. between secs. 20+21 Over rolling land through dense serviceberry and sagebrush under- growth.
8. 10	Bottom of hollow drains E. & ascend
16. 00	Top of ridge bears E. & W. 450 ft. high
39. 60	Bottom of hollow drains E. and begin ascent over point.
40. 00	Set a limestone 18x10x8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stone 2 ft. bare 1/2 ft. high W. of cor.
	Pits impracticable
51. 00	Top of ridge bears E. & W. 300 ft. high and continue down gentle descent.
60. 00	The ascent becomes more steep
66. 15	Bottom of hollow drains E. & ascend.
71. 50	Top of point bears E. & W. and descend into ravine.
73. 75	Bottom of swale drains E. & ascend.
80. 00	Top of ridge bears E. & W. 300 ft. high

Subdivision of T. 7 S. 7 R. 6 W.

Chain	Set a limestone 15x10x6 ins. 10 ins. in the ground for cor. of secs. 16-17-20 & 21 marked 4 notches on the S. & E. edges raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable
	Land rolling and mountainous
	Soil stony 2" & 3" rock
	Timber few scattering cedars
	Land covered with dense sagebrush or serviceberry undergrowth 80.00 ac.
	76.89° 40' E. on random line bet. secs. 16 & 21.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. & S. line 16 ltrs. N. of cor. of secs. 16-17-20-22 Then 1/4 sec.
	S. 89° 47' W. on true line bet. secs. 16 & 21
	Over rolling and mountainous ground through dense sagebrush and serviceberry undergrowth.
6.40	Fault Canyon Creek flows S. 45° E. 3 lbs wide
8.10	Road bears S. 45° E. & N. 45° W.
10.60	Foot of steep bluff bears N. 45° W. & S. 45° E.
13.60	Enter cedar timber bears N. & S.
14.50	Top of Bluff and continue up gentle ascent.
17.00	Leave cedar timber bears S. E. & N. W.
39.00	Enter cedar timber bears S. E. & N. W.
40.00	Set a limestone 18x10x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable
	Cedar 8 ins. in diameter bears S. 60° W.
	40 ltrs. dist marked 1/4 S. 21° B. T.
	Cedar 8 ins. in diameter bears S. 75° E.
	1/4 ch. dist marked 1/4 S. 21° B. T.
43.00	Leave scattering cedar timber bears N.E. & S.W.
68.00	Top of ridge bears S. 50° E. & N. 50° W. and enter scattering cedar timber bears N. E. & S. W.

Subdivision of T. 7 S. R. 6 W.

chains.	
70.50	Leave scattering cedar timber bears S.E. & N.W. and descend into saddle.
74.00	Bottom of saddle bears E. 4 W. and ascend gently.
78.00	The cor. of secs. 16, 17, 20 & 21. Land rolling and mountainous. Soil 2' + 3" rate. Timber scattering cedars. Land covered with dense sage brush and serviceberry undergrowth. 80.00 ch.
84.00	N. 0° 2' W. betw. secs. 16 & 17. Over rolling ground covered with dense sage brush and serviceberry undergrowth, down gentle descent.
10.20	Hollow drains N. 80° E.
12.00	Across hollow and begin ascent.
21.00	Top of ridge bears E. 4 W. enter scal- loping clump of cedars 1.00 ch. through it, bear E. 4 W. & descend.
31.00	Bottom of descent drains E. 4 & begin gentle ascent.
40.00	Set at limestone 1' X 8' X 6 ins. 19-ins. ins the ground for 1/4 sec. cor. marked 1/4 on W. face, raised or arranged of stone 2 ft. base 1/2 ft. high W. of cor. Pits impracticable.
42.00	Top of rocky ridge bears E. 4 W. and begin steep descent.
43.00	Enter clump of cedars 1 ch. through it.
49.73	Bottom of rocky hollow drains E. 4 W.
53.00	Top of ascent, and along side hill.
61.50	Begin very steep descent.
65.00	Bottom of Left Fork of Faust Canyon enter chokecherry undergrowth.

Subdivision of T. 4 S. R. 6 W.

Chain 66.20	Stream & the under flows S. 50° E leave cherry and begin steep ascent
73.30	Top of rocky point bears S. 45° E
80.00	Set. w. limestone 18 X 7 X 6 ins. 12 ins. ins. the ground for cor. of sec. T. 9 - 16 & 17 on side hill facing S. marked 4 notches on the S. and 4 notches on the E. edges, raised ammonium of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
	Land rolling Soil 2' 4" 3" rock
	Timber few scattering cedars Land covered with dense sagebrush serviceberry or chokeberry under- growth. T. 0.00 chs.
	N. 89° 47' E. on random line betw. secs. 9 & 16
40.00	Set. temp. 1/4 sec. cor.
80.00	Intersect the random line at the cor. of secs. 9-10-15 & 16.
	Thence down
	S. 89° 47' W. on tree line betw. secs. 9 & 16
	Over broken ammoniumous land
0.50	Enter cedar timber, bears S. E. & N. W. W. and begin steep descent
10.00	Bottom of hollow drains S. 45° W.
12.00	Leave cedar timber bears S. W. & N. E.
19.00	Top of ridge bears S. 40° W. ^{W. 40° E.} enter cedar bears S. W. and N. E.
23.00	Leave cedar timber bears S. W. & N. E.
28.30	Bottom of hollow drains S. 35° W. enter cedar timber bears S. W. & N. E.
30.00	Leave cedar timber bears S. W. & N. E.
34.30	Enter scattering cedar timber bears S. W. & N. E.
35.00	Top of ridge bears S. 30° W. & N. 30° E and descend

Subdivision of T. 4 S. R. 6 W.

Chain's	
37.00	Leave scattering cedar timber bears S. W. & N. E.
40.00	Set a sandstone 13 X 6 X 6 ins 10 ins, in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ high N. of cor. Pits impracticable
	A cedar 18 ins. in diameter bears S. 92 lbs. dist. marked $\frac{1}{4}$ S. 16° B. J.
	A cedar 24 ins. in diameter bears S. 84° W. 1.00 ch. dist. marked $\frac{1}{4}$ S. 16° B. J.
41.00	Enter cedar timber bears S. W. & N. E.
43.00	Bottom of hollow drains S. 30° W. & ascend.
46.00	Top of ridge bears S. 30° W. & N. 30° E.
50.50	Leave cedar timber bears S. W. & N. E.
52.00	Bottom of hollow drains S. & ascend
53.00	Top of ridge bears N. & S. & descend.
59.00	Clump of cedars 1.50 ch. through it.
62.00	Enter willows bear N. & S.
62.53	Fairly Canyon Creek 4 lbs. wide - flows S. 30° E.
63.00	Leave willows bears S. 30° E. and ascend through dense sagebrush.
70.00	Top of ridge bears S. 40° E. & N. 40° W
- 80.00	The cor. of secs. 8-9-16-17. Land mountainous Soil 3" & 4" rate.
	Timber, cedar Mountainous lands 80.00 ch.

Subdivision of T. 7 S. R. 16 W.

Chain N. 0° 2' W. bet. recs. 8 & 9.	Over mountainous land covered with dense sage brush serviceberry and chokecherry undergrowth ascend over point of hill and along E. face of ridge.
37.00	Clump of cherry 50 lbs. through it.
40.00	Set a limestone 15 X 6 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. on edge of ravine, marked 1/4 on W. face, raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable
40.30	Descend into bed of creek enter willows
40.30	Faust Canyon Creek 4 lbs. wide flows S. 35° E.
41.00	Leave willows bear N. 90° W. & S. 90° E. and ascend W. face of hill.
53.30	^{Spring} Head of Faust Canyon creek bears W. about 5. 50 chs. dist.
66.30	Top of divide bet. Faust Canyon and Two Spring Canyon bears S. 75° E. & N. 75° W. 600 ft. high and descend into swale.
70.40	Bottom of swale drains N. 45° E. and ascend along E. face of mountain.
- 70.00	Set a limestone 15 X 10 X 6 ins. 10 ins. in the ground for cor. of sec. 4 - 5 - 8 - 9 marked 5 notches on the S. & 4 notches on the East edges. raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Land mountainous.
	Soil 1", 3", & 3" rate.
	Timber scattering cedar.
	Mountainous land or land covered with dense undergrowth.
80.00 chs.	

Subdivision of J. S. Tr. b/w

Chasm	In 49.47° E. on random line bet. sec. 4+9
45.50	Set temporary 1/4 sec. cor.
79.94	Entered: N. & S. line 30 lbs. W. of cor. of secs. 4-4-9 & 10. Three small W. on line bet. sec. 4+9.
	Over mountainous land covered with dense sage brush, service berry and chokecherry undergrowth and scattered cedar timber up gentle ascents.
9.00	Enter cedar timber. bears N. & S.
10.00	Top of ridge bears N. 75° E. & S. 75° W. and along N. face of hill.
12.51	Leave cedar timber bears N. & S.
30.35	Enter scattering cedar timber bears N. & S.
39.97	Set a limestone 13 X 8 X 6 in., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised as mound of stone 2 ft. base 1/2 ft. high N. of cor. Pits impracticable.
	Crosses lines. no. chasm. bears S. 75° E. 54 lbs. dist. unmarked 1/4 S. 9
	B. J. Cedar, 10 ins. in drain. bet. N. 75° E. 53 lbs. dist. unmarked 1/4 S. 9 B. J.
49.50	Leave scattering cedar timber, bear N. & S.
67.50	Top of ridge, bears N. 75° E. & S. 75° W. and descent into. marked
74.00	Bottom of ravine, drain. N. 75° E. and ascend.
79.94	The cor. of sec. 4-5-8-9. Land mountainous. Soil, 2" + 3" rates Timber, scattering cedar. Mountainous land or land covered with dense undergrowth 79.94 chs.

Subdivision of T. 7 S. Tr. 16 W.

Chains	N. 0° 2' W. on random survey line between sec. 4 & 5.
40.00	Set a strip 1/4 sec. cor.
80.75	Intersection of boundary of the Tp. 39 line E. of the cor. of sect. 4, 5, 32 & 33 heretofore divided Therefore Survey S. 0° 19' E. on true line betw. sec. 4 & 5
	Over rough mountainous ground Ascend along E. face of mountain among mahogany timber
12.75	Top of ascent on E. face of mountain 1,000 ft. high bears E. 47 W. and begins steep descent of S. face of mountain
24.00	Limestone cliff 20 ft. high much loose rock above and below it.
35.75	Leave scattering mahogany timber bear E. 47 W. and continue down steep descent into Two Spring Canyon
40.75	Set a sandstone 1.5 X 1.5 X 6 ins. 1.0 mtr. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. This impracticable
	From this 1/4 cor. the head of the spring in the South fork of Two Spring Canyon bears S. 25° E. about 11.00 chs. dist.
44.50	Foot of steep descent 700 ft. below last named ridge enter thick cherry and aspen undergrowth bears E. 47 W.
46.35	Ravine drains E. and begins steep ascent of S. side of canyon
49.75	Leave cherry and aspen bears E. & W.
56.00	Top of steep ascent limestone ledge bears E. 47 W. descend gradually along E. face of mountain
63.75	Bottom of side drain E.
79.75	Deep ravine drains E.
80.75	The cor. of sect. 4 - 5 - 34 & land mountainous

Subdivision of T. 7 S. R. 6 W.

Chains Soil stony 2nd & 3rd rate
 Timber ashogany
 Mountainous land or lands covered
 with dense undergrowth 80-75 chs.

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From the cor. of sec. 5-6-31432. on S. side
 of the Tp. heretofore described I run
 N. 0° 3' W. Dist. sec. 31432.

Over rough mountainous land.

Down general direction running cedar.

4.00Leave thick cedar bear E. & W.
 descent - 100' corner much steep.

16.75 Bottom of wood, head of Rock Creek
 divide E.

Poss. leading into Shells Valley.
 about 6 miles. N. Small spring about
 10 mds. E. begins ascent of mountain.

25.25 Crosses becomes more rapid, and in
 scattering cedar timber bears E. & W.

40.00 divide bear. (cross) falling east -
 Shells Valley. This point for 1/4 sec. cor.
 falls over ledge rock is placed on which
 cut a cross (+) at the cor. point for
 1/4 sec. cor. marked 1/4 on S. face of lime-
 stone ledge 1 ft. W. of cross, raised
 as mound of stone 2 ft base 1/2 ft. high
 W. of cor.

Pits impracticable

C. cedar 2 1/2". in diam. bears S. 10° E. 69
 Ver. dist. marked 1/4 S. 32° W. J.

C. cedar 1 1/2". in diam. bears S. 10° E. 56 Ver. dist.
 marked 1/4 S. 32° W. J.

40.10 Descends over perpendicular ledge
 6 ft. high

41.30 Ascends over perpendicular cliff 3 1/2 ft. high
 top of divide well above foot hills bear N. 83° E.

Subdivision of T. 7 S. R. 6 W.

chain	and S. 35° W. and descended over high cliff into Sheep Valley.
42.00	Foot of cliff or ledge and descended into large deep hollow draw S. 45° W.
54.00	Leave scattering cedar timber bears N. 75° E.
67.00	Descent becomes very gradual.
71.00	Bottom of hollow, draw S. 45° W.
71.70	Begin steep ascent bears S. 45° W. N. 75° E.
75.00	Enter scattering cedar timber bears S. 75° W. N. E.
80.00	Set a sandstone 16 X 8 X 6 ins. 10 lbs. in the ground for cor. of secs. 29, 30, 31 & 32 on steep side of mountain, marked notch on S. edge and 5 notches on E. edge raised around of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Cedar 12" in diam. bears N. 25° E. 17 lbs. dist. marked T. 7 S. R. 6 W. S. 29. T. 3.
	Cedar 15 ins. in diam. bears N. 98° W. 65 lbs. dist. marked T. 7 S. R. 6 W. S. 30. T. 3.
	No other trees within limits.
	Land mountainous.
	Soil, stony. 3" noted.
	Timber scattering cedars.
	Mountainous land. \$0.00 ch.
	E. on random line bet. sec. 29 & 32
40.00	Set. Temp. 1/4 sec. cor.
80.00	Intersect N. & S. line. 37 lbs. N. of cor. of sec. - 28-29-32 & 33.
	Thence S. line
	N. 89° 44' W. on true line bet. sec. 29 & 32
	Over rough mountainous land down gentle descent.
4.00	Prairie draws S. E. to ascend along S. face of ridge.
27.50	Thunder bet. Rush Valley & Sheep Valley 80 ft. high bears N. 35° E. T. S. 35° W. and descend into Sheep Valley.

Subdivision of T. 7 S. Tr. 16 W.

Chains	
40.00	Sel. sandstone 13 x 6 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a round of stones 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
65.50	Foot of steep descent from N. 4 S.
67.50	Bottom of large hollow draw S. and begin ascent.
70.50	Enter scattering cedar timber present N. 4 S.
80.00	The cor. of sec. 29-30-31 4 32. Land mountainous Soil stony 4 1/2 rods Timber, scattering cedar Mountainous land, 80.00 chs.

	W. on random line betw sect. 30 & 31
40.00	Sel. temp. 1/4 sec. cor.
78.06	Entered U.S. body of the Tp. 25 line N. of cor. of sect. 30 & 31. heretofore described Thence S. over
	N. 49 1/2 E. on tree line betw. sect. 30 & 31
	Over mountainous land.
	Ascend W. face of mountains along W. slope of ridge through cedar timber
6.00	Top of ridge bearing N. 78 1/2 E. and S. 78 1/2 W. and ascend along S. face of ridge
25.00	Top of ridge bearing N. 78 1/2 E. and S. 78 1/2 W. ascend along W. slope.
32.00	Begin steep descent up hill side of ridge bearing E. 78 1/2 W.
35.06	Sel. sandstone 13 x 10 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a round of stones 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
	As cedar 18 ins. in diam. bear N. 38 1/2 E. 5 to 6 in. dist. marked 1/4 S. 30 B. J
	As cedar 12 ins. in diam. bear N. 52 1/2 E. 4 1/2 in. dist. marked 1/4 S. 30 B. J.
41.00	Leave cedar timber bears N. 4 S.

Subdivision of T. 7 S. R. 6 E.

chains	
4.5.00	Entered cedar timber bears N. & S.
5.3.00	Top of ridge bears S. 50° W. + N. 50° E. and descends.
6.8.40	Bottom of hollow drains S. & ascends.
7.4.30	Begins gentle descent bears N. & S.
7.8.06	The cor. of secs. 29 + 30 - 31 + 32. hard mountainous Soil, stony. 4 ft. shale Timber scattering cedar mountainous land 7 8.06 chs.
	N. 0.3' W. bet. secs. 29 + 30 over rough mountainous land up steep side of mountain among cedars.
16.50	Top of arched ridge bears N. 25° W. + S. 25° E. leave cedar timber bears C. + W. and begins descent into ravine drains S.
31.75	Begins gentle ascent.
40.00	Sets a sandstone 18 X 8 X 6 ins. 13 ins. in the ground for 1/4 sec: cor. marked 1/4 on N. face, raised, covered of stones 2 ft. base 1/2 ft. high W. of cor. Pits impracticable.
	Continued up gentle ascent.
47.40	Top of ridge about 4.00 chs. E. of saddle bears C. + W. and along W. face of mountain.
63.00	Bottom of hollow drains S. & ascends.
68.00	Top of ridge bears C. + W. and descends.
75.15	Bottom of hollow drains W. and begins steep ascent.
80.00	Sets a sandstone 18 X 10 X 6 ins. 12 ins. in the ground for cor. of secs. 19-20. 39 + 30 marked with 2 notches on S. and 5 notches on E. i.e. yes occurred a number of stones 2 ft. base 1/2 ft. high W. of cor. Pits impracticable hard mountainous Soil, stony. Timber scattering cedar.

Subdivision of 3.7 S. Tr. 16 W.

chains	mountainous land. 50 to 600 ft.
5.99	44' E. by random line bet. sec. 20 & 29.
4.00	Soil temp. $\frac{1}{4}$ sec. cor.
8.00	Intersection N. & S. line. 18 ft. S. of cor. 1/4 sec. 20, 21, 28 & 29.
	The next 800 ft.
	N. 49° 52' W. on street line bet. sec. 20 & 29.
	Over mountainous land up rocky backbone of ridge bear E. & W.
4.00	Soil dimensions 18 X 10 X 10 in. 12 in. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face raised. around stone 2 ft. base 1/2 ft. high N. of cor. at foot of cliff 20 ft. high
4.9.00	At divide bet. Ruth Valley and Skull Valley. bear N. & S. 1,000 ft. high and begin steep descent into Skull Valley.
80.00	The cor. of secs. 19, 20, 29 & 30. Land mountainous Soil 3' 4.4' soil Timber, scattering cedar and arroyoing. Mountainous land 80.00 ac.

Subdivision of J. S. Trumbull

Chain	S. 49° 49' W. on random line feet recd. 1943
40.00	Set. terrace - 1/4 sec. cor.
78.00	Intersection W. edge of Tp. 10 latus N. of cor. of sec. 19 & 30. Knob described Then S. ridge N. 49° 45' E. on ridge line Recd. feet. 1943.0
	Over mountainous land up present
9.00	Top of ascent. bears N. 45° W. S. 19° E and along N. E. slopes of ridge
18.30	Cedar timber bears N. 8° S.
34.30	Leave cedar timber bears N. 45°
36.00	Set at sandstone 16 X 10 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base. 1 1/2 ft. high N. of cor. Pits impracticable.
	A cedar 8 ins. in diam. bears N. 35° W. 155 lbs. chs. dirt. marked 1/4 S. 19. TB. J.
	A cedar 12 1/2 ins. diam. bears N. 85° E 28 lbs. dirt. marked 1/4 S. 19. TB. J.
39.00	Top of steep ascent ridge bears N. 80° W. + S. 80° E. and begin steep descent.
61.00	Bottom of hollow, drains N. 75° W. and ascend
78.00	The cor. of sec. 19, 20, 29 & 30. Land mountainous Soil, 3" + 4" rated. Timber, scattering cedar. Mountainous land. 78.00 chs.

Subdivision of T. 7 S., R. 6 W.

Chain	NW 1/4 8' W. bet. secs. 19 & 20.
	Over mountainous lands.
	Up ascent along W. face of mountain.
4.00	Begin gentle descent into hollow.
11.50	Bottom of hollow drains W. & begins steep ascent.
40.00	Set a sandstone 18 X 8 X 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
44.50	Top of ridge 1,000 ft. high base E. & W. " divide, 1.01 ch. E. continued on W. face of mountain.
71.00	Pass or saddle on divide bears N. 80° W. & S. 80° E. 900 ft. high and descends along E. face of mountain into Fish Valley.
88.00	Set a limestone 15 X 10 X 7 ins. 10 ins. in the ground for cor. of sec. 17, 18, 19 & 20 marked with 3 notches on the S. end & another on the E. edge raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
	Land mountainous
	Soil, stony, 3' rated
	No timber.
	Mountainous land 800 lbs.

Subdivision of J. T. S. Tr. 6th

Chasm	S. 89° 52' E. on random line bet. sects. 17 & 20.
40.00	Set. temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect the N & S. line 18 miles S. of the cor. of sects. 16, 17, 18 & 21. Then 1/2 mile S. of cor.
	West on tree line bet. sects. 17 & 20.
	Over mountainous land, up gradual ascent.
5.00	Top of ascent bears N. 50° E. & S. 50° W. and descend.
10.15	Ravine, drains N. 50° E. and ascend.
20.00	Top of ridge bears N. 60° E. & S. 60° W. and begin gentle descent along N. side of mountain.
28.50	Bottom of hollow, drains N. 60° E. and ascend along S. slope.
40.00	Set a conglomerate stone 15 x 10 x 4 in. 10 ins. in. the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face raised a mound of stone 2 ft. base 1/2 ft. high N. of cor. Pile impracticable.
43.50	Top of ascent ridge bears N. 60° E. & S. 60° W.
60.00	Series of conglomerate ledges bear. N. & S.
63.00	Leave ledge.
67.50	Top of ridge bears N. 70° E. and S. 70° W. and continue along N. face of mountain.
78.00	The cor. of sects. 17, 18, 19 & 20. Land mountainous. Soil, 3' rate. No timber. Mountainous land \$0.00 ch.
	S. 89° 45' W. on random line bet. sects. 18 & 19.
40.00	Set. temp. $\frac{1}{4}$ sec. cor.
77.50	Intercept by that the cor. of sects. 18 & 19 having descended Then 1/2 mile S. of cor.
	N. 89° 45' E. on tree line bet. sect. 18 & 19.
	Over mountainous land up gentle ascent among scattering cedar.

Subdivision of T. 7 S. R. 6 W.

Chasm	
13.80	Bottom of large hollow drains N. 80° W.
17.80	Begin steep ascent of mountain
34.80	Leave scattering cedar timber bears N + S.
36.66	Bottom of hollow drains S. 80° W. and ascend.
37.80	Set a sandstone 15' X 7' X 6 ins. 10 ins in the ground for 1/4 sec. cov. marked 1/4 on N. face. Waited an hour. Stones 1/2 ft. base 1/2 ft. high N. of cov. Pitt impracticable.
48.80	Enter mahogany timber bears N + S.
52.80	Leave mahogany timber bears N + S.
70.00	Leave " Lined " bet. Rush Valley & Skull Valley 450 ft. high bears N. 5° W. and S. 5° E.
77.80	The cov. I recd. 17, 19, 19 + 20. Bands chronological Soil, strong 3" layer Timber, scattered, cedar and mahogany, mountainous. Lined, 77.80 elev.

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7.00	Top of 3' T.M. bed. bears. 17 + 18
10.00	Coniferous and broad leafed trees, dense and open like desert oak.
6.00	Enter mahogany and spruce timber bears E. of T.M. coniferous vegetation.
9.00	Leave mahogany timber, bears E. of T.M.
16.00	Begin descent from S. E. 47 W.
20.00	Large mossy, lichenous boulders across it.
22.10	Hollow and deep gully, dinner E. and begin descent of steep ridge.
29.66	Sop of ridge bears E. + W. and descend into deep hollow.
32.00	Enter cherry undergrowth bears E. + W.
33.66	Bottom of hollow drains E. + ascend.

Subdivision of T-7 S Tr 10

Chains	
3.4.15	Leave cherry undergrowth bear E + W.
3.8.45	Top of ridge bears E + W + descends gently
4.0.00	Set a limestone 18x7x6 ins. stone in the ground for 1/4 sec. cor. marked 1/4 on W face, raised at around 8 stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
4.7.00	Begin steep descent into hollow
5.3.00	Bottom of hollow drains E + begins steep ascent
5.8.00	Top of ridge bears E + W and begins steep descent
6.8.40	Bottom of hollow drains E + begins descent
7.2.30	Top of ridge bears E + W + descends
7.5.00	Conglomerate ledge bears E + W
7.8.00	Bottom of hollow drains E
7.9.50	Across hollow
8.0.00	Set a conglomerate stone 18x12x12 ins. 12 ins. in the ground for cor. to see. 7.8. 1.7. 4.16, on rocky point of hill facing S. marked 4 notches on the S. and 5 notches on the E. edge raised at around of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
	Land approximately
	Soil 3" rate
	Timber, none
	Mountainous border \$0.00 chs.

Subdivision of J. Y. S. Tr. 1, Twp.

Chains	E. on random level roads... 7 4 17.
40.00	Sediment $\frac{1}{4}$ sec. cov.
80.00	Southwest W. 4 S. level roads S. E. end of sec. 8, 9, 16 & 17. Firred trees S. 49° 53' W. on these lines back roads 8 & 17. Over mountainous land covered with dense sagebrush, serviceberry & chokecherry undergrowth.
3.00	Top of gentle ascent and blue limestone stone ledge bears S. 45° E. + N. 45° W. and descent.
19.00	Bottom of left fork of Gauley River drainage S. 45° E. + oriented, distance 3 lks. wide.
28.00	Top of ascent bears N. 45° W. + S. 45° E. and continued over good bench roads.
40.00	Sediment blue limestone 15 ft. (8 and 15 in.) in the ground for $\frac{1}{4}$ sec. cov. marked $\frac{1}{4}$ on N. W. face covered by mounds of stone 2 ft. found 1 ft. 1 in. W. of cov.
	Pits impracticable.
48.00	Began gentle descent, distance 3 lks. and "Bottom of bottom drainage" 15 ft.
50.00	" and continued, and descent.
57.00	Bottom of drainage 15 ft. S. 45° E. and N. 45° W.
60.00	Gentle ledge and continues into open dense undergrowth
- 80.00	The cov. of rock 7, 8, 17 & 19. Land mountainous Soil 1" 2" + 3" slate No timber. Mountainous land + land covered with dense undergrowth 80.00 abd.

Subdivision of J. S. Tr. 67

- Chains S. 59° 45' W. on random line between 7716
 40.00 Set terms 1/4 sec. cor.
 Interv. by 1/4 sec.
 The cr. of sect. 7 & 15 therefore described
 Thence S. line
 N. 59° 41' E. on trees line bet. sect. 7 & 16
 Over mountainous land up N.
 face of moraine.
 20.00 Limestone ledge bear. N. + S.
 37.70 Set at limestone 15' x 6' inc. 10 in. inc.
 the ground for 1/4 sec. cor. marked
 1/4 on N. face raised or around
 stone 2 ft. base 1/2 ft. high N. of cor.
 Pits impracticable.
 41.20 At divide bet. Rush Valley and
 Skull Valley 900 ft. high bear. N. 35° W.
 + S. 35° E. and descend into Rush
 Valley through thick undergrowth.
 49.76 Bottom of steep descent and continue
 along N. face of moraine.
 59.70 Begin steep descent
 77.70 The cr. of sect. 7, 8, 17 & 15
 Scandi. mountainous
 Soils, 2" + 3" note.
 Timber, none.
 Mountainous lands of land
 covered with dense undergrowth
 77.70 the ...
 N. 03° W. feet bears. 7 & 8
 Over mountainous lands up crevices
 along S. face of moraine.
 20.26 Top of low ridge bears S. 45° W. + descent
 into hollow through dense ravine -
 broken and checkered underground.
 27.16 Bottom of hollow descent S.
 27.30Leave the ravine and descend
 underground with descent S. + W. and
 parallel.

Subdivision of T. 7 S. - R. 1 W.

Chains	
30.25	Top of ridge beyond E. 47th and descends into ravine.
34.00	Bottom of ravine drains E.
37.30	Across ravine and begins steep ascent.
40.00	Sets a conglomerate stone 18 X 6 X 6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
	Pits impracticable
40.98	Top of hill ^{banking at 45°} and along E. face.
43.50	Ravine or hollow drains E. and begins steep ascent.
49.60	Ascent becomes less steep and along W. face of hills.
62.00	Top of ascent and continues along E. face of hill into saddle and ascend S. E. face.
79.00	Ascent becomes more steep on S. face.
80.00	Sets a limestone 13 X 9 X 6 ins. 15 ins. in the ground for cor. of rock 5, 6, 7 & 7.0 marked to transition on the S. E. edge. raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
	Pits impracticable
	Land, mountainous.
	Soil 1", 2", 4 3" rock, gravelly.
	No timber
	Mountainous land 80 ins.

Subdivision of T. 7 S. R. 6 W.

chain	T.W. 29° 43' E. on random line bet. sec. 5 & 7 &
40.00	Set a mark $\frac{1}{4}$ sec. cor.
53.00	Entered the N.W. 1/4 line at the cor. of sec. 4 25° 8' + 9 Then crossed river...
	S. 89° 5' 3" W. on tree line bet. sec. 5 & 7
	Over mountainous land up steep ascent
12.52	Perpendicular cliff 15 ft. high bears N. 45°
17.00	Perpendicular cliff 18 ft. high bears N. 45°
17.00	Top of ridge 750 ft. high bears N. 45° W. and S. 45° E. slopes abruptly to the E. E. and descend into ravine.
22.00	Bottom of ravine drains S.
24.00	Set a limestone 15 X 8 X 6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face raised a mountain of stones 2 ft. base 1 1/2 ft. high N of cor.
	Pits impracticable
	A cedar 1/2 in. in diam. bears S. 10° W. 1.70 chs. dist. marked $\frac{1}{4}$ S. 8.7° B. T. No other trees within limits.
45.15	Bottom of ravine drains S. and begins steep ascent.
42.41	Rocky point; top of ascent bears N. 8° S. and descend.
55.00	Spring in left hand fork of Forest Canyon about 7.00 ch. S.
57.15	Bottom of deep hollow drains S. 45° E. and begins steep ascent.
65.25	Limestone bedded, bears S. 45° E. + N. 45° W. ascent becomes steeper.
70.00	The cor. of sec. 5, 6, 7, + 8
	Rocks and mountainous
	Ends in a ravine
	This is a few rods from a living cedar and a mahogany.
	Mountainous land 1.0. 00 ch.

Subdivision of T. & S. Tr. 6th U.

shown	S. 89° 45' W. on random line bet. trees. 647
40.00	Set. lumps, $\frac{1}{4}$ sec. cor.
77.48	Intersection the N. side of the Sp. 11 miles. N. of cor. of sect. 647 before described. The new S. line N. 89° 40' E. on tree line bet. trees. 647
	Over mountainous land up ascent.
5.56	Top of ridge bears N. $\frac{86}{W}$ and descent.
10.00	Bottom of steep descent.
23.00	Head of large deep hollow draining N.W. and ascend.
30.00	Ledge 6 ft. high bears N. & S.
27.48	Ridge bet. Rush Valley and Skull Valley 800 ft. high bears N. & S.
	Set a conglomerate stone 13 X 10 X 6 ins 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked by one N. face raised a round of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor.
	Fills impracticable.
40.00	Begins descent into head of swale
50.00	Bottom of swale draining S. W. then turns S. E.
58.00	Top of bare ridge bears S. 80° W. and N. 80° E. and begins deeper channels.
67.00	Bottom of hollow 10 ins. S.
72.00	Top of ridge and ledge bears N. & S.
77.48	The cor. of sect. 6, 6, 7, 49. Lands mountainous Soil 2" - 3" water
	No timber Mountainous lands 77.48 ch.

Subdivision of T. & S. R. Co.

Chain	70.03 N. on horizon line back road
	5.46
40.00	Set terrace $\frac{1}{4}$ sec. cor.
50.40	Intersection of ridge of Tp. Sides E of cor. of sects. 5, 6, 31 + 32 heretofore described Planned Survey
	S. 5° E. on true line bet. sects. 5 + 6
	Over mountainous land down gradual descent into swale.
10.00	Bottom of swale, drains N and begins gradual ascent.
20.00	Top of ascent bears E. + W. and begins descent down surface of mountain into swale.
32.40	Bottom of swale, drains W. and continues along steep W. face of mountain
40.40	Set a limestone 1.5 x 10 x 4 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face raised a round of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable
41.40	Top of ridge lies Ruth Valley and Shell Valley. 50 ft. high bears S. 45° W. + N. 45° E. and descend steep S. face of mountain.
43.40	Pass bet. the two Forest Camps about 10.00 chs. W.
61.00	Bottom of hollow, drains S. E. and ascend through a strip of chokecherry undergrowth 1.00 chs wide.
76.30	Top of ridge blue limestone ledge bears S. 60° E. + N. 60° W. and begin steep descent.
87.40	The cor. of sects. 5, 6, 7 + 8 Bands mountainous Soil 2" + 3" wide No timber Mountainous land 80-40 chs.

June - 6 - 1899

General Description

178 R. 6th.

This Tp. is rough and mountainous in the W. & N. and rolling in the central and Southeastern parts. The Tp. is poorly watered there being but few small springs and streams situated theron.

The portion of the Tp. embraced in this survey is all fair grazing land and is fairly well timbered with cedar timber, pine also being found in sec. 4 & 5.

Brown ore is widely scattered through the Tp. but not sufficiently developed to return as mineral land. Oryx of fair quality occurs in the West central part of the Tp.

There is no evidence of any existing land claims in this Tp.

The desert entries of Louis G. Marburg Alfred H. St. John and David H. Cook, numbered 1873, 1936 & 2114 respectively, have all long since been abandoned.

Alonzo J. Stockey
U. S. Deputy Surveyor

June 6 1899.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted.

, Chainman.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

, United States Deputy Surveyor, in surveying all

those parts or portions of the

of the

meridian, of which are represented
in the foregoing field notes as having been surveyed by him and under his direction, and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for

, Chainman.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

Subscribed and sworn to before me this

day of , 180 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

United States Deputy Surveyor, do
solemnly swear that, in pursuance of a contract received from
United States Surveyor General for _____, bearing date of the
day of _____, 189_____, I have well & faithfully, and truly, in my own
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for _____, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of _____.

of the _____
meridian, in the _____, which are represented in the
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions and the special written instructions of the United States Surveyor
General for _____, and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

[Signature]
United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189_____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

[Signature] 189_____
Sachalabg Celia November 30 1903
The foregoing field notes of the survey of _____, _____, _____
Twp. of South Range, 6th Dist. of the State of _____, _____
Approved, _____, _____.

executed by _____, _____, _____, _____, _____, _____, _____
under his contract No. 24, dated October 29, 189_____, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

[Signature]
Edward M. Goadby
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____
has been correctly copied from the original notes on file in this office.

United States Surveyor General.

Corrective
FIELD NOTES

OF THE SURVEY OF THE

*Secular Division
of
Township 7 South Range 6 West*

of the North Saline River and Meridian,

State of Utah

AS SURVEYED BY

Alonzo J. Sleater, United States Deputy Surveyor,

Under his Contract No. 216, dated Oct 29, 1897

Survey commenced May 13 1904, 1897

Survey completed May 13 1904, 1897

NAMES AND DUTIES OF ASSISTANTS.

BOOK A-295

INDEX DIAGRAM.

Township _____, *Range* _____

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Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chairman.

, Chairman.

Subscribed and sworn to before me this _____
day of _____, 189 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this _____
day of _____, 189 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this _____
day of _____, 189 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 }



T 7 S R. 6 W.

The 1/4 sec. cov. between secs.
3 & 10 found out of place,
now moved to proper location
on line.

Set original stone two thirds
in the ground and mark
the following bearing trees.

A cedar 16 ins. in diameter
bears S 40° E. 19 lfs. dist.
marked 14 S 3 W. 1.

A cedar 12 ins. in diameter
bears S 17° E. 41 lfs. dist. marked
14 S 10 W. 1.

The 1/4 sec. Cov. between secs 3 & 3
found out of place, now
moved to proper location on
line, set original stone two
thirds in the ground and
mark the following bear-
ing trees.

A cedar 27 ins. in diameter
bears S 45° W. 50 lfs. dist
marked 14 S 3 W. 1. on limb
12 ins in diameter

A cedar 18 ins. in diameter
bears S 40° E. 96 lfs. dist
marked 14 S 2 W. 1. on limb
4 ins in diameter.

The bearings & distances of
lines as originally reported
are correct

May 13, 1904.

Alonzo () Storer
R.D. Deputy Surveyor

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by
..... United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of
..... showing the respective capacities in which they acted:

....., Chainman.

....., Chainman.

....., Moundman.

....., Moundman.

....., Axman.

....., Axman.

....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted United States Deputy Surveyor, in surveying all
those parts or portions of the

..... of the
..... meridian, of which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for

....., Chainman.

....., Chainman.

....., Moundman.

....., Moundman.

....., Axman.

....., Axman.

....., Flagman.

Subscribed and sworn to before me this }
day of , 180 }
{

MEAS.

101
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonzo J. Strokey, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Jacob H. Clark, United States Surveyor General for The District of Delach, bearing date of the 29th day of October, 1804, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for The District of Delach, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The Second decimal series of Township of South Range 6 West of the Dahl Lake.

Bay and meridian, in the States of Delach, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for The District of Delach and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Alonzo J. Strokey
United States Deputy Surveyor.

Subscribed by said Alonzo J. Strokey, and sworn to before me this 19th day of May 1804



Edward H. Anderson
U.S. Surveyor General
for State

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Dahl Lake, May 24, 1804

The foregoing field notes of the survey of The Second decimal series of Township of South Range 6 West of the Dahl Lake are hereby approved.

executed by Alonzo J. Strokey
under his contract No. 216, dated October 29, 1804, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-295

C

M. J. R.

FIELD NOTES

OF THE SURVEY OF THE

North and South Boundaries
 of
 Township 4 South Range 7 West

of the Salt Lake Base and Meridian,
 State of Utah

AS SURVEYED BY

Alonzo J. Stockey, United States Deputy Surveyor,

Under his Contract No. 316, dated Oct. 29, 1897

Survey commenced Jan. 7, 1897

Survey completed Jan. 8, 1897

6-151

1.5 - By sight	76.20
2 H. +	1.7765
Closing	4.16

NAMES AND DUTIES OF ASSISTANTS.

Hiram Malliard

Chambers

Richard Orr

George D. Stockey

Morandman

Roger Malliard

Pearson

Roger Malliard

Flagman

Fuelman off artil in land A. J. P. & R. R.

BOOK A-295

INDEX DIAGRAM.

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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

We, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we make in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

Chairman,

Chairman,

Subscribed and sworn to before me this
day of 189 }



We, and do solemnly swear that we will well and truly perform the duties of moundsmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

Moundsman,

Moundsman,

Subscribed and sworn to before me this
day of 189 }



We, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

Axmen,

Axmen,

Subscribed and sworn to before me this
day of 189 }



I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

Flagman,

Subscribed and sworn to before me this
day of 189 }



South Boundary of T. 7 S R. 7 W.

- Chains Survey commenced June 7, 1899 and executed with a W. & E. Spring Light Mountain Transit. For description of which see page 1 Book "A".
- From cor. sects. 1, 2, 3 & 4 S. 6 ins. S. body of this Tp. which is a limestone 6 X 8 X 6 ins. above ground, marked and numbered as described by the Surveyor General.
- Hence I run
- East and random line betw. sect. 14 & 6
- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 76.20 Smashed E. body. of Tp. 1. 80 chs S. of cor. of Tps. 7 & 8 S. R. 6 & 7 W. previously set by me and described in Book "A". The falling exceeding the allowable limit of 50 lbs. per. mite, I obliterated from the previously established cor. of Tps. 7 & 8 S. R. 6 & 7 W. all marker pertaining to Tp. 7 W. and set limestone 15 X 12 X 6 ins. 10 ins. in the ground for closing cor. of Tps. 7 & 8 S. R. 7 W. marked C. C. W. (and with 6 more) on N. S. and W. face and measured a amount of stone 2 ft. base 1/2 ft. high W. of em.
- Pits imperceptible.
- Hence I run
- W. out tree lined betw. sect. 1, 4 & 5 S. over gently rolling ground sloping to the W. through scattering cedar timber and dense sagebrush under growth.
- 00.20 Bottom of ravine, drain S. 38° W and begin steep ascent.
- 2.30 Top of steep ascent bears N. 40° E. & S. 40° W. and begin gentle descent.
- 18.20 Cedars become moderately heavy
- 36.20 Set a limestone 15 X 9 X 6 ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor.

South Boundary of J. H. S. Tr.

- marked 1/4 on N. face and on
ground, of stone 2 ft. long 1 ft. high
N. 2 cor.
Pile impractical
Ground, bare, no diary. bears S. 45°
E. qd. dirt, marked 1/4 S. 17 E. 2
Ground, bare, no diary. bears N.
S. 3 Un. dirt, marked 1/4 S. 36 E. 2
51.20 Top of low ridge, bears S. 40° W. 47 N. 40°
S.
51.20 The cor. of sec. 1, 2, 3 & 4. 3.6
Land, gently rolling
Soil, gravelly 3' total
Timber, cedar
Beds covered with dense under-
growth 7.5. 20 ch.

Ground - 7-11 8.99

Volume

#

R0295

North Boundary of J. T. S. Tr. 7 W.

chain at cor. of sec. 34 & 35 on S. side of J. T. S. Tr. 7 W. which is a limestone 5 X 3 X 6 in. above ground, marked and measured as described by the Surveyor General at 9 $\frac{1}{2}$ 20 m. a.m.

At 9 A.M. June 4, 1899, I observed Polaris.

at eastern elongation, in accordance with the tables of corrections, and marked a point on the line thus determined by driving a nail into a wooden plug W. of the point established last night.

The true bearing of the new meridian is N. 16° 30' W. which red. by the tables on page 100 of the Manual gives mean mag. decl. N. 16° 24' E.

From the closing cor. to sec. 2. 4. 3 which is 4. 92 chs. E. of the cor to sec. 34 & 35 on the S. side of J. T. S. Tr. 7 W. which I failed to find, but which I re-established at 16° 47' 6.5 chs. E. of cor. 2. 4. 3 on a limestone line on the top of J. T. S. Tr. 7 W. setting back 1/4 sec. 2 sec. cor. at intervals of 1/2 chs. and at 15° 47' 6.5 chs. measured E. by cor. 2. 4. 3. 64 1/2 W. previously set by road and described in Book A.

The falling exceeding the allowable limit of 50 ft. per mile. Therefore from the previously established cor. at Jps. 64 1/2 S. Tr. 6 4 1/2 W. all measured pertaining to Tr. 7 W. and set on limestone 24 X 20 X 10 in. 15 in. in the ground for closing cor. 2. 4. 3. 64 1/2 S. Tr. 7 W. marked C. C. and 6 paces and 1/2 W. and raised on smooth

North Boundary of J. T. S. Trust

Chain	<p>of stones 2 ft. base 1/2 ft. high N. of cor Pits impracticable</p> <p>Thence S. down W. one third line bet. sec. 1 & 36</p> <p>Over rough mountainous land up steep ascent.</p>
7. 6. 5.	<p>Top of steep ascent 300 ft. above T. cor bear N. & S. & descend along S. face of mountain</p>
19. 13.	<p>Ridge bears S. 45° W. & N. 45° E. and descend along back bone</p>
28. 4. 5.	<p>Limestone ledge. bear N. & S.</p>
32. 6. 5.	<p>Saddle. bears E. & W. and continued down ridge.</p>
40. 0. 0.	<p>Set limestone 15 X 8. X 7 ins. 1.0 ms. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised around of stones 2 ft. base 1/2 ft. high N. of cor</p> <p>Pits impracticable</p>
41. 3. 1.	<p>Begin descent along N. side of ridge</p>
50. 3. 8.	<p>Limestone ledge. bear N. & S.</p>
55. 3. 8.	<p>Top of ridge now bears E. & W. and descend along ridge</p>
68. 3. 6.	<p>Enter cedar timber bear N. 15° E. & S. 15° W</p>
76. 3. 8.	<p>Bottom of hollow drain S. 45° W. and ascend</p>
80. 6. 0.	<p>Set limestone 15 X 10 X 6 ins. 1.0 ms. in the ground for cor. of sec. 1, 2, 3 & 4 36, marked one notch on E. edge, 6 notches on W. edge, raised around of stones 2 ft. base 1/2 ft. high N. of cor</p> <p>Pits impracticable</p> <p>Cedar 14 ins. in diam. bear N. 45° W. 1.82 chs dark marked J. 6 S. R. 7 W. S. 33 T. 3</p> <p>Cedar 7 ins. in diam. bear N. 33° W. 95 lbs. dim marked J. 6 S. R. 7 W. S. 33 T. 3</p> <p>No other tree within distance</p> <p>Land mountainous</p> <p>Soil, rocky 4" note</p> <p>Timber, cedar</p> <p>Land covered with timber 11.62 chs</p> <p>Mountainous land 80 ac</p>

North Boundary of T. 7 S. R. 7 W.

Chaser	W. on trail line bet. sec. 2 & 3 S.
	Over broken, hilly land.
.38	Apparent.
2.38	Leave cedar timber bears N. + S.
19.38	Foot of mountain bears N. + S. enter cedar timber and dense sagebrush undergrowth, bears N. + S.
27.00	Bottom of hollow drains N. 60° W. and ascend leaving cedar timber, bears N. + S.
30.05	Top of ascent, bears N. 50° W. + S. 50° E. and begins descent.
35.15	Bottom of Fairlie Canyon hollow, drains N. 45° W.
40.00	Set at limestone 18 x 6 x 15 ins. 10 ins. in the ground, in bottom of Fairlie Canyon hollow, for 1/4 sec. cor. unmarked, 1/4 out N. face, raised a mound of stone - 3 ft. high 1/2 ft. high N. of cor.
	Pit "in partibus"
41.15	Leave hollow
54.65	Enter cedar timber, bears N. + S.
- 77.65	The clos. conf. sec. 2 & 3 T. 7 S. R. 7 W. Barren, hilly and rolling. Soil, gravelly 3" + 4" moraine. Timber, cedar - Barren country with scattered small granite - gravels 77.65 elev.

Janet 4 - 1899.

Boundaries of T. 4 S R. 7 W

Latitudes, departures and closing errors

Line Designated	True Bearing Dist.	Latitude N S	Departure E W
E leg of T. 4 S R. 7 W. N.	479.44	479.44	
" " "	157.65		157.65
between sec 24 & 3	80° 28' E	79.44	0.05
" 10° 11' 14" N 22° 25' S	S	240.00	240.00
secs 23 & 26	118° 47' E	80.40	0.25
" 25 & 26	80° 11' E	80.00	0.00
" 35 & 36	S	80.00	0.00
S. boundary	E	76.20	17.620
Convergency			0.20
Totals		479.69	157.65
		479.44	157.85
Carolina latitude	0.25	Carolina	0.20

For general description see
notes of subdivisions of this Tp.

June 8. 1899

Benz J. Strokey
R.S. Dep. Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

John H. Jr. 8/8/85
, Chainman.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

, United States Deputy Surveyor, in surveying all those parts or portions of the

of the

meridian, of which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for

John H. Jr. 8/8/85
, Chainman.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

Subscribed and sworn to before me this

day of , 189 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

United States Deputy Surveyor, do

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, bearing date of the United States Surveyor General for _____, day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____,

of the _____ meridian, in the _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189_____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, October 29, 1893. 1893
The foregoing field notes of the survey of *The First North Boundary
of Township 7 South Range 7 West of the Salt Lake
Base & Meridian, Rebath*

executed by *George J. Stanley*, dated _____, 189_____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Gundersen

United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-295

FIELD NOTES

OF THE SURVEY OF THE

*Subdivisions**Township 4 South Range 7 West**of the Salt Lake Base and Meridian,
State of Utah*

AS SURVEYED BY

Alonzo J. Stander, United States Deputy Surveyor,
Under his Contract No. 216, dated Oct. 29, 1897

Survey commenced Jan. 9, 1897

Survey completed Jan. 10, 1897

e-161

*Bush 11-62-53**Dot 865**Richardson 1-79-44*

BOOK NO. 295
NAME AND DUTIES OF ASSISTANTS.

Hiram Millward

Chas. Mann

Richard Orr

George Stockey

Murdock

Roger Millward

Perrine

Roger Millward

Flagman

In preliminary office at L. C. Park B, 367 S. R. G.

INDEX DIAGRAM.

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Meanders Page _____

BOOK 2
PRELIMINARY OATHS OF ASSISTANTS.

and

WE, _____ do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this _____
day of _____, 189_____



WE, _____ and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this _____
day of _____, 189_____



WE, _____ and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this _____
day of _____, 189_____



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189_____



Subdivision of T. 7. S., T.R. 7. W.

Chains Survey commenced June 9, 1899; and executed with a W. & L. E. Gurley Light Mountain Transit. For description of which see page 1, Book A.

From the cor. of secs. 25, 26, 35, 36 which is a limestone $6 \times 10 \times 5$ ins. above ground, marked and witnessed as described by the Surveyor General.
Thence down

E. on random line bet. sec. 25 & 36. Over rolling hilly ground covered with dense sagebrush undergrowth

40.00 Set temp $\frac{1}{4}$ sec. cor.

76.30 Intersect E. bdy. of T. 1. ch. S. of cor. of secs. 30 & 31. Whence 3 set of limestone $15 \times 9 \times 6$ ins. 10 ins. in the ground for closing cor. of secs. 25 & 36, on side hill, marked C. C. on W. face, 1 groove on S. & 5 grooves on N. face, raised mound of stones 2 ft. based $1\frac{1}{2}$ ft. high, W. of cor. 7 ft. inphonotirable.

Thence down

W. on distant lines bet. sec. 25 & 36. Over mountainous hilly ground sloping W.

118.5 Bottom of hollow, bearing S. 65° W. & begins descent.

20.30 Top of ascent and begins descent, entering cedar timber, bears N. 48° E. 45° S. 49° W.

24.90 Loose cedar timber bears N. 50° E. & S. 50° W.

26.30 Limestone ledge, bears N. & S.

28.70 Foot of steep descent and bottom of ravine, drains S. 60° W. & continues gentle descent.

36.30 Set as limestone $15 \times 8 \times 6$ ins. 10 ins. in the ground, at ft. of mountain, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, raised a mound of stones 2 ft. based $1\frac{1}{2}$ ft. high W.

Subdivision of T. 7 S. R. 7 W.

	Chains of cor. Pts. impracticable Enter dense sagebrush undergrowth,
37.45	Bottom of ravine, drains S. 60° W. and ascends.
40.80	Enter cedar timber, bears N. & S.
43.30	Leave cedar timber, bears N. & S.
43.80	Top of ascent S. 45° W. & N. 45° E. and begin descent.
44.70	Enter cedar timber, bears N. & S.
52.40	Foot of descent, ravine, drains S.
52.30	Leave cedar timber, bears S. 45° W. & N. 45° E. ravine drains S. 45° W.
- 76.30	The cor. of secs. 25, 26, 35 and 36. Land mountainous & hilly. Soil 3rd rate, gravelly. Timber, cedar Mountainous land 36.30 chs. Land covered with dense undergrowth 40.00 chs.
	From the cor. of secs. 23, 24, 25 & 26. which is a sandstone 5 X 8 X 6 ins. above ground, marked & witnessed as described by the Surveyor General. Thence down E. on random line betw. secs. 24 & 25.
40.00	Set temp. 1/4 sec. cor.
76.90	Intersect E. boundary of T.p. 1.30 ch. S. of cor. of secs. 19 & 30, where I set a limestone 15 X 8 X 6 ins. 10 ins. in the ground for closing cor. of secs. 24 & 25, marked C.C. on N. face 2 grooves on S. & 4 grooves on N. face. raised a mound of stone 2 ft. base 1/2 ft. high N. of cor. Pts. impracticable.
	Thence down W. on tree line betw. secs. 24 & 25.
	Over mountainous land, down steep descent.
1.25	Enter scattering cedar timber, bears N. & S.
3.00	Descent becomes less steep, continuing

Subdivision of T. 7 S. 7 R. 7 W.

Chains 22.50	along S. face of hill. Leave cedar timber, bears N. + S.
25.00	Ravine drains S. 45° W and ascend.
27.50	Top of ascent, bears S. 45° W. + N. 45° E. and begin descent.
30.00	Bottom of ravine, drains S. 45° W. + pass over rocky point into swale.
33.00	Bottom of swale, drains S. + ascend.
36.80	Sell a limestone 15 X 10 X 8 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, raised a mound of stone 2 ft. base 1/2 ft. high N. of cor. Pls. impracticable.
	Cedar bins. in diam. bears S. 65° E. 11 lbs. dist. marked 1/4 S. 25° W. J.
	Cedar bins. in diam. bears S. 65° W. 94 lbs. dist. marked 1/4 S. 25° W. J.
37.30	Top of hill and enter cedar timber bears S. 65° W + N. 65° E.
50.00	Foot of mountain, descent becomes gentler, leave cedar timber bears S. 65° E. 4° N. 65° W. enter dense sage brush undergrowth.
55.00	Ravine 50 lbs wide, drains S. 40° W.
63.30	Fr. by heavy cedar timber bears N. + S.
75.00	Ravine dr. S. W.
76.80	The cor. of secs. 23, 24, 25, 7 36. Land, mountainous & hilly Soil 3rd mat., stony Timber, cedars Mountainous land, covered with heavy timber, or dense undergrowth
	76.80 chs.
	N. 0° 01' W. lat. secs. 23 4 24
	Over rolling land through thick cedar timber.
1.00	Bottom of steep ravine drains N. 60° W.
2.00	Opposite side
6.10	Ravine, drains W. 40 lbs. wide.
8.30	Descend into deep ravine drains W.
9.35	Bottom of ravine & ascend hill.
22.00	Top of rocky ridge bears E. 4° W. and

Subdivision of T. 7 S. Tr. 7 W.

Chains 31.00	descend into ravine or hollow drain. In Cedar timber becomes scattering, enter dense sagebrush undergrowth.
32.00	Bottom of hollow drain W. and ascend.
38.00	Top of ascent bears E. 4° W. + descend.
40.00	Set sandstone 1.5 X 8 X 5 in. - 10 in. in the ground for 1/4 sec. cor. on W. face of hill among cedars, marked 1/4 on W. face raised mound of stone 2 ft. base 1/2 ft. high, W. of cor.
	Pts. impracticable.
	A cedar 12" in diam. bears S. 45° E. 27 lbs. dist. marked 1/4 S. 24° 7B. J.
	A cedar 6 in. in diam. bears S. 85° W. 23 lbs. dist. marked 1/4 S. 23° 7B. J.
42.50	Leave scattering cedar timber bears E. 7W.
43.50	Bottom of hollow drain S. 65° W. and ascend steep hill.
45.30	Top of ascent bears N. 70° W. + S. 70° E. and descend on N. E. face of hill.
56.00	Enter cedar timber bears N. 45° W.
60.70	Leave cedar timber bears N. 45° W.
63.30	Bottom of hollow drain N. 50° W. and ascend.
68.40	Enter cedar timber bears N. 60° W.
71.00	Top of ascent bears N. 60° W. + S. 60° E. and descend.
71.50	Leave cedar timber bears N. 45° W.
72.70	Bottom of descent and ascend.
74.00	Enter cedar timber, bears N. 7W.
75.20	Top of ascent bears N. 60° W. + S. 60° E.
80.00	Foot of descent set on top stones 15 X 10 X 6 in. 10 in. the ground for cor. of secs. 13, 14, 23 + 24, on W. slope of hill marked 1 and other 1/2 notches on S. edges raised a mound of stone 2 ft. base 1/2 ft. high W. of cor.
	Pts. impracticable.
	A cedar 18" in diam. bears N. 80° W. 35 lbs. dist. marked J. + S. 24° 7. W. S. 14° 7B. J.

Subdivision of T. 7 S., R. 7 W.

Chains Cedar 10 ins. in diam. bears S. 45° E. 55° lbs. dist. marked T. 7 S. R. 7 W. S. 24 T. 3. Cedar 6 ins. in diam. bears S. 55° W. 35 lbs. dist. marked T. 7 S. R. 7 W. S. 23 T. 3.
 Cedar 12", in diam. bears S. 90° W. 30 lbs. dist. marked T. 7 S. R. 7 W. S. 23 T. 3.
 Land rolling and broken.
 Soil 2nd & 3rd ratio, stony.
 Timber cedars.
 Land covered with heavy timber or dense undergrowth. 40 chs.
 Orange abundant at N. end of this divide.

- W. on random line bet. secs. 14 9 23
 40.00 Set lmp. 1/4 sec. cor.
 80.00 Enter section N. 9 S. line 47 lbs. N. of cor. of secs. 14, 15, 22 & 23 which is a limestone 5' x 10' 6 ins. above ground marked 1/4 in limestone as described by the Surveyor General.
 (Henry J. Smith)
 N. 49° 40' E. on a true line bet. secs. 14 9 23.
 Over rolling land through dense sagebrush undergrowth.
 7.00 Enter cedar timber, bears N. 9 S.
 11.00 Enter foothills or mountains
 21.00 Ascent becomes steeper.
 37.00 Top of steep ascent bears S. 40° W. 9 N. 40° E. and begin descent.
 40.00 Set a limestone 15' x 9' x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised around of stone 2 ft. base 1/2 ft. high N. of cor.
 Pts. impracticable

Sidelines of T. 7 S. R. 7 W.

chains	Cedars thin in drain bears N. 99° E 22 lbs. dist. marked 1/4 S. 14° 7' S.
	Cedars thin in drain bears N. 80° W. 20 lbs. dist. marked 1/4 S. 14° 7' S.
45.50.	Foot of steep descent bears N. & S.
52.00	Top of ascent bears S. 35° W. & N. 35° E and descend.
56.00	Cedars become scattering; foot of descent bears S. 35° W. & begin ascent cedars very thick.
62.00	Top of ascent bears N. 20° E. & S. 20° W. and begin descent.
69.85	Hollow drains S. & begin ascent
70.00	The cor. of secs. 13-14 - 2 3 & 24 land mountainous. Soil good & slow rate; gravelly Timber cedar Land hilly & mountainous, Land covered with dense under growth 11 chs. mountainous land 69.00 chs.
	E. on random line bet. secs. 13 and 24.
40.00	Set temp 1/4 sec. cor.
76.68	Intersect E. bay of T. 80 lbs. S. of cor. of secs. 18 & 19 T. 7 S. R. 6 W. where I set a sandstone 15 X 8 X 5 ins. 10 ins. on the ground for closing cor. of secs. 13 & 24, marked C.C. on N. face 3 grooves on N. & S. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. This impracticable Thence down W. on true line bet. secs. 13 & 24 Over mountainous land.
68	Bottom of hollow drain N. 60° W. and ascend.
13.68	Clumps of scattering cedars on the line.
16.68	Top of ascent and along N. face of

Subdivision of T. 7 S. R. 7 W.

Chains	mountain.
22.18	Begin descent into hollow.
25.98	Bottom of hollow drains N. 60° W.
31.68	Center cedar timber bears N. 45° W. + S. 45° E.
36.68	Set a sandstone 18 x 10 x 8 ins. 19 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1/2 ft. high N. of cor. Pits impracticable
	A cedar 18 ins. in diameter bears S. 45° W 30 lbs. dist. marked 1/4 S. 24 $7\frac{1}{2}$ B. J.
	A cedar 6 ins. in diameter bears N. 54° E. 58 lbs. dist. marked 1/4 S. 18 $7\frac{1}{2}$ B. J.
40.68	Foot of gentle ascent bears N. 60° W. + S. 60° E.
46.68	Top of ascent bears N. 65° W + S. 65° E and begin gentle descent; at foot of mountain enter dense sagebrush undergrowth and continue through cedar timber
55.00	Ravine drains N. 65° W. and ascends
65.00	Ridge bears N. 65° W + S. 65° E.
76.68	The cor. of sects. 13-14 - 23 + 24. Lands mountainous Soil 1 st 2 nd & 3 rd soils gravelly Good grass on eastern 1/2 mile Timber cedar Mountainous lands or lands covered with heavy timber or dense undergrowth 76.68 chs.

Subdivision of T. 7 S. R. 7 W.

chain	W. 6.01 Between sec. 13 & 14
	Along W. face of hill.
	Over rolling hilly land through cedar and dense sagebrush undergrowth.
5.30	Rainy drain S. 45° W. and begins ascent.
16.00	Top of ascent bears N. 45° E. & S. 45° W. and begins descent.
23.00	Leave cedar timber bears E. & W.
24.80	Bottom of hollow drain S. 45° W.
30.85	Enter scattering cedar timber bears S. 45° W. & W. 45° E.
31.00	Ridge bears S. 45° W. & W. 45° E.
40.00	Set a limestone 15' x 8' x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a amount of stone 2 ft. base 1/2 ft. high W. of corner. Pits impracticable.
	A cedar 1.2 ins. in diameter bears N. 80° W. 55 lbs. dist. marked 1/4 S. 14° B. T.
	A cedar & drain bears N. 80° E. 25 lbs. dist. marked 1/4 S. 13° B. T.
45.50	Leave cedar timber bears E. & W. Marked 1/4
50.00	Enter scattering cedar timber bears W. 28° W. & S. 28° E.
54.00	Wash drain W.
63.00	Top of ascent bears E. & W. and begins gentle descent.
72.35	Rainy drain S. 45° W. and begins gentle ascent.
78.00	Set a limestone 15' x 8' x 6 ins. 10 ins. in the ground for cor. of sec. 11-12-13 & 14 on gentle southeast slope, marked with 1/4 notches on S. edge and 1 notch on E. edges raised a amount of stone 2 ft. base 1/2 ft. high W. of cor. Pits impracticable.
	A cedar 15 ins. in diameter bears N. 25° W. 65 lbs. dist. marked T. 7 S. R. 7 W. S. 11° B. T.
	A cedar 6 ins. in diameter bears N. 21° E. 38 lbs. dist. marked T. 7 S. R. 7 W. S. 12° B. T.

Subdivision of T. 7 S., R. 7 W.

Chains	No other trees within limits Land rolling and broken Soil stony. 2" & 3" rocks. Timber cedar Land covered with heavy timber or dense undergrowth 80.00 chs.
June - 9 - 1899.	

S. 89° 40' W. on random line between
secs. 11 + 14.

40.00	Set temp 1/4 sec. cor.
80.00	The cor. of secs. 10 - 11 - 14 + 15 which is a limestone 6 X 10 X 8 ins. above ground marked and witnessed as described by the Surveyor General. Hence I run
	Y. 99° 40' E. on true line between secs. 11 + 14.
	Over rolling land through dense sagebrush undergrowth.
0.40	Leave sagebrush and enter cedar timber bears S. 30° W. + N. 30°.
9.00	Leave cedar timber bears S. 30° W. + N. 30°, W. and enter dense sagebrush under growth. small ravine drains N.E.
20.00	Leave sagebrush and enter cedar timber bears N. 40° W. + S. 40° E.
40.00	Set a limestone 15 X 12 X 10 ins. 10 ins. in the ground for 1/4 sec. cor. among thick cedars marked 1/4 on N. face raised a mound of stone. 2 ft. base 1 1/2 ft. high N. of cor.
	Pile impracticable.
	A cedar 10 dia. 10 ft. 55 lbs. dist. marked 1/4 S. 11.73. J.
	A cedar 12 ins. in diameter bears N. 83° E.
	20 lbs. dist. marked 1/4 S. 11.73. J.
45.00	Leave cedar timber bears N. 45° W. + S. 45° E. and enter dense sagebrush undergrowth
47.00	Hollow drains S. 45° W. and ascend.
49.00	Top of ascent bears N. 25° W. + S. 25° E.

Subdivision of T. 7 S. R. 7 W.

71.00	Enter cedar timber bear S. 46° W. or N. 40° E.
72.00	Leave cedar timber bear N. 41° E. or S. 49° W.
72.10	and continue through dense sage brush undergrowth
72.15	The cor. of sec. 11-12-13 & 14 lands rolling Soil stony & bare Timber cedar lands covered with heavy timber or dense undergrowth \$0.00/ acre.
73.00	C. on sandstone line between sec. 12 & 13 Soil stony 1/4 sec. cor.
76.00	Boundary C. body of Tp. 7 S. 4 cor. of sec. 7 - 12 - 13 & 14 where S. rest at line of the 16 X 4 X 6 ins. 10 in. in the ground for closing cor. of sec. 12 & 13 marked C. C. on U. face & grooves on S. & 2 apiece on W. faces raised on bedrock of stone 2 ft. base 1 1/2 ft. high W. of cor. destroy marker on old corner of sec. 7-12-13 & 14 which pertains to sec. 12 & 13 Site impracticable
76.10	Shaded S. line More tree line between sec. 12 & 13.
76.15	Overgrown talus ground sloping W.
76.20	Rocks drain N. 56° W. Timber cedar timber bear S. 31° W.
76.25	Leave cedar timber bear S. 46° W.
76.30	Tsp. of cedar bear N. 41° W. or S. 49° E.
76.35	Soil as described in 16 X 4 X 6 ins. 10 in. in the ground for 1/4 sec. cor., marked 1/4 cor. W. face raised on bedrock of stone 3 ft. base 1 1/2 ft. high. W. of corner Site impracticable.

Subdivision of J. G. S. Tr. 722

Chasm

- 39.68 Enter cedar timber and dense sagebrush undergrowth bears N. $25^{\circ} 7' W$ S. $84^{\circ} E$. and ascend.
- 46.00 Ridge bears S. $45^{\circ} 7' W$ N. $45^{\circ} E$.
- 54.18Leave cedar timber bears S. $90^{\circ} W$ N. $76^{\circ} E$.
- 61.68 Enter cedar timber bears S. $60^{\circ} W$ and down cedar ridge.
- 75.00 Ravine drains S. $45^{\circ} W$
- 76.68 The corner of secs. 11-12-13. 4.14
land mountainous.
Soil stony. 3' rate.
Timber cedar.
Mountainous land and covered
with dense sagebrush undergrowth
76.68 chs.

N. $8^{\circ} 0' W$. betw. secs. 11 & 12.

Over-rolling land covered with
cedar & dense sagebrush undergrowth
up gentle ascent.

46.0 Leave cedar timber bears S. $30^{\circ} W$ N. $30^{\circ} E$. & continue through dense
sagebrush undergrowth.

67.0 Top of ascent bears S. $80^{\circ} W$ N. $11^{\circ} E$.
and descend into swale.

90.40 Bottom of hollow drains W. & ascend,
enter cedar timber and bald-faced
arroyoany bears S. $9^{\circ} W$.

27.00 Top of ascent bears S. $90^{\circ} W$ N. $9^{\circ} S$. $9^{\circ} E$.
and begin steep descent into hollow.

39.56 Bottom of hollow drains W. $10^{\circ} W$.
and ascend.

40.00 Set limestone 16x8x8 ins. 19 ins. ins
the ground for $\frac{1}{4}$ sec. cor. on S. face
of hill among large boulders marked.
 $\frac{1}{4}$ on W. face raised a mound of
stone 9 ft. base 1/2 ft. high W. of cor.
Pile impracticable.

Subdivision of T. 7 S. R. 7 T.

Chain	A cedar 10 ins. in diameter bears N. 45° E. 1.85 ch. dirt. marked 1/4 S. 12 B. T.
	6 cedar 6 ins. in diameter bears S. 57° E 60 lbs. dirt. marked 1/4 S. 12 B. T.
146.00	Leave cedar timber bears N. 30° W. and continue through dense sagebrush undergrowth.
52.00	Wash drains S. 70° W.
574.00	Leave sagebrush and enter heavy cedar timber bears E. 45° W.
64.60	Leave cedar timber bears E. 45° W. enter dense sagebrush undergrowth and ascend gently.
67.70	Top of arid. bears N. 30° E. + S. 30° W. and descend gently along foot of mountain.
74.00	Enter strip of cedar timber 1 ch wide bears E. 45° W. and continue through dense sagebrush undergrowth.
80.00	Set a limestone 15-X-T-X 6 ins. 10 ins. in the ground for cor. of sec. 1-2-11-12 marked 6 notches on S. and 1 notch on E. edge raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
	Land rolling and broken.
	Soil gravelly 3" rate.
	Timber cedar
	Land covered with heavy timber or dense undergrowth 80.00 chs.

S. 79° 40' W. on random line between
secs. 2 & 11.

40.00	Set temp 1/4 sec. cor.
72.00	The cor. of secs. 2-3-10 & 11 which is a limestone 6 X 10 X 5 ins. above ground marked and witnessed as described by the Surveyor General.

SILVATION OF S. D. S. T. D.

Chamoe	Thinner S. trees In. 89° 40' E. on hillside near sec. 2 & 11. Over rolling land covered with cedar timber, dense sagebrush and barbed wires along undergrowth.
4. 0. 0.	Hollow drain. S. 70° W.
7. 0. 0.	Enter cedar timber, bears S. 50° W. & N. 50° E. dense sagebrush.
27. 0. 0.	Leave cedar timber, bears N. 65° W. & S. 65° E., enter dense sagebrush under growth.
39. 3. 0.	Leave sagebrush enter cedar timber bears N. 65° W. & S. 65° E.
4. 0. 0. 0.	Sed. limestone 15' X 10' X 10' in. The ground for 1/4 sec. cov. marked 1/4 over N. face raised around of stone 2 ft. base 1/2 ft. high N. of cov. Pits impracticable
	Cedar 10 ins. in diameter. bears S. 86°
	1/4 dist. marked 1/4 S. 11° W. 3. 3. 3. Cedar 15 ins. in diameter. bears S. 45°
	W. 7. 3. 3. 3. dist. marked 1/4 S. 11° W. 3. 3.
42. 0. 0.	Leave cedar timber. bears N. 35° W. & S. 35° E. and continues along N. face of hill among dense sagebrush undergrowth
57. 8. 0.	Hollow drain. N. 45° W. and continues up gentle ascent along S. face of hill.
60. 0. 0.	The cov. of sec. 1, 2 & 11. 1. 1. 2. Land rolling. Soil gray, mate gravelly. Timber cedar Bare covered with heavy timber undergrowth to 10' dia.

Geological Survey of S. D. 1977

	Thin bed of limestone between sec. 1 and 12.
46.70	Soil depth $\frac{1}{4}$ sec. cor.
76.70	Intersect E. side of S. 124 due S. of cor. of secs. 1 & 2, where I find a limestone 18 X 6 X 6 ins. 10 ins. in the ground, just closing cor. of secs. 1 & 12, marked E. C. on W. face, & grooved on S. groove on N. faces raised arounds of stone 2 ft. base 1/2 ft. high. W. of cor. Pit impracticable.
	Then I run W. on line bet. secs. 1 & 12.
	Over mountainous land sloping W. down steep descent, along S. face of ridge.
11.70	Top of above named ridge bears S. 70° W. & N. 80° E. enter scattering cedar timber beds S. 80° W. & N. 10° E. and continue down face of ridge.
22.95	Less scattering cedar timber, bears N. 45° S.
36.70	Set a limestone 18 X 6 X 6 ins. 19 ins. in the ground on steep hill facing N. for $\frac{1}{4}$ sec. on. marked $\frac{1}{4}$ on N. face raised arounds of stone 2 ft. base 1/2 ft. high. W. of corner. Pit impracticable.
	C. about 12' in distance bears S. 25° W.
	St. like. dist. marked $\frac{1}{4}$ S. 12° B. T. 3.
	Gives down slopes. in distance. bears S. 30° E. 60' dist. marked $\frac{1}{4}$ S. 12° B. T. 3.
39.70	12' apart becomes less steep.
53.70	Top of above named ridge bears S. 40° W. & S. 40° E. and continue down hill, rocky scree bet. S. hollows.
76.70	The cor. of secs. 1, 2, 11, 12 lands, mountainous soil, talus, 1/4 mile. Timber, rocks, red sand. Mountainous lands 76.70 due

Subdivisions of T. 7 S. R. 4 W.

Chains	N. 0.01' W. bet secs. 17 & 21.
	Over broken mountainous land over point of mountain.
11.50	Enter scattering cedar timber, bears E. & W.
13.00	Leave cedar timber bears E. & W.
27.75	Enter cedar timber, bears E. & W. and begin descent.
30.00	Leave cedar timber bears E. & W.
37.70	Bottom of hollow, drains W. and begin ascent.
40.00	Set a conglomerate stone 1.5 X 8 X 6 in. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. on land sloping gently W. at mouth of Faust's Canyon marked $\frac{1}{4}$ on W. face raised a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. This impracticable.
42.30	Descend into Faust's Canyon hollow.
45.00	Bottom of hollow & bed of stream— now dry, drains S. 70° W.
50.50	Across hollow & ascend rocky ridge
56.00	Top of ridge bears S. 70° W. 77° N. 40° E.
59.00	Enter cedar timber bears E. & W. and begin steep descent.
61.75	Rainy drainage N. 61° W. and ascend over rocks, find through thick cedars.
70.00	Leave thick cedar timber, bears E. & W.
79.37	Intersect N. bdy. H. J. 2.25 ins. E. of cor. of secs. 35 & 36. J. 6 S. R. 7 W. where Delta limestone 1.5 X 8 X 6 ins.; 10 ins. in the ground for closing cor. of sec. 17.2 marked C. C. on S. face, 1 groove on E., 3 grooves on W. faces. raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high S. of cor. This impracticable.

Subdivision of S. 11 S. T.R. 11

Chain	
	Land mountainous
	Soil, stony, 4 th rated
	Timber, cedar
	Mountainous land 7.937 acs.
	Planted 1.051.899 ft.

Finding that my exterior do not close within limits, I proceed as follows to locate the error.
Beginning at the cor. of secs. 35, 36,
35 and 36. I retraced the line bet. secs
35 and 36 and find the dist. 80.00
ch. and the bearing N. 8° 15' W.

Also from the cor. of secs. 3, 10
and 11, I retraced the line bet. secs.
2 and 3 and find the dist. 79.44
ch. and the bearing N. 0° 38' W.

General Description

The portion of this T.p. embraced in this survey is rough and mountainous in the East and rolling in the West.

It is very poorly watered there being no springs on it and but one small stream crossing the north end. It is all fair grazing land and affords a good quality of cedar timber.

Crypt of fair quality occurs in the East Central part, no indications of mineral.

There are no settlers in this T.p.

Alonzo Storkey
W.S. Deputy Surveyor

June 10 - 1899.

Volume

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R0295

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey

showing the respective capacities in which they acted:

John J. [initials] 85, P.M., Chainman.

John J. [initials] 85, P.M., Chainman.

John J. [initials] 85, P.M., Moundman.

John J. [initials] 85, P.M., Moundman.

John J. [initials] 85, P.M., Axeman.

John J. [initials] 85, P.M., Axeman.

John J. [initials] 85, P.M., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted United States Deputy Surveyor, in surveying all those parts or portions of the

..... of the meridian, of which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for

John J. [initials] 85, P.M., Chainman.

John J. [initials] 85, P.M., Chainman.

John J. [initials] 85, P.M., Moundman.

John J. [initials] 85, P.M., Moundman.

John J. [initials] 85, P.M., Axeman.

John J. [initials] 85, P.M., Axeman.

John J. [initials] 85, P.M., Flagman.

Subscribed and sworn to before me this }
day of , 180 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from United States Surveyor General for _____, bearing date of the day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

[Signature] *John J. Starkey* *United States Deputy Surveyor.*

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189_____.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, November 3, 1893.
The subdivisions of lines of
Township of South Range, West of the Great Salt
Lake
Bar & Mountain Range. *Realty*

executed by _____, *Alonzo J. Starkey*, under his contract No. *146*, dated *October 29, 1897*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward R. Anderson
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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FIELD NOTES

OF THE SURVEY OF THE

First Standard Parallel South
 Township 5 South
 through
 Ranges 6 & 7 West

of the Salt Lake Base and Meridian,
 State of Utah

AS SURVEYED BY

George J. Storer, United States Deputy Surveyor,
 Under his Contract No. 216, dated October 29, 1897
 Survey commenced June 11, 1897
 Survey completed June 11, 1897

7 North high 40.00'
 6 " " " 40.45'

NAMES AND DUTIES OF ASSISTANTS.

Harrison Millward

Chambers

Richard Orr

"

J. D. Stoekey

"

Roger Millward

"

J. D. Stoekey

Moundman

Roger Millward

Axman

Roger Millward

Flagman

BOOK A-295

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PRELIMINARY OATHS OF ASSISTANTS.

WE, Almon Millward, Richard Orr, G. S. Stoekey and Roger Millward, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

the First Standard Parallel South 95° S through Ps 67 & 71 N.
Salt Lake Base and Meridian

G. S. Stoekey Chairman.

Richard Orr

Roger Millward Chairman.

Subscribed and sworn to before me this 29

day of May, 1897



Almon J. Stoekey
U.S. Deputy Surveyor

WE, G. S. Stoekey

and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given me, to the best of my skill and ability, in the survey of

the First Standard Parallel South 95° S through Ps 67 & 71
Salt Lake Base and Meridian

G. S. Stoekey

Moundman.

Moundman.

Subscribed and sworn to before me this 29

day of May, 1897



Almon J. Stoekey
U.S. Deputy Surveyor

WE, Roger Millward

and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given me, to the best of my skill and ability, in the survey of

the First Standard Parallel South 95° S through
Ps 67 & 71 Salt Lake Base and Meridian

Roger Millward, Axman.

Axman.

Subscribed and sworn to before me this 29

day of May, 1897



Almon J. Stoekey
U.S. Deputy Surveyor

I, Roger Millward

do solemnly swear that I will well and truly

perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the First Standard Parallel South 95° S through
Ps 67 & 71 Salt Lake Base and Meridian

Roger Millward, Flagman.

Subscribed and sworn to before me this 29

day of May, 1897



Almon J. Stoekey
U.S. Deputy Surveyor

Through Range 7 West.

Bhains Survey commenced June 11, 1899.
For description of transit see
Book B.C.

At the standard 1/4 sec. cov. on
S. side sec 36. T5 S. R 4 W. which is
a blue limestone $4 \times 14 \times 6$ ins
above ground marked and
witnessed as described by
the Surveyor General. in lat.
 $40^{\circ} 20'$ N. long. $112^{\circ} 35'$ W. I observe
Polaris at eastern elongation at
8^h 08^m a.m. l.m.t., in accordance
with the Manual of Instructions
and mark the line thus deter-
mined by a tack driven in a
wooden spike 500 ft. E. of my
station.

At 7 a.m. I lay off the azimuth
of Polaris, $1^{\circ} 37'$ to the N. and mark
the True Meridian thus determined
by driving a tack into a wooden
spike N. of the point established
last night; the magnetic bearing
of said true meridian is N.
 $86^{\circ} 24' W.$ which reduced by
the table on page 100 of the
Manual gives the mean
magnetic declination $16^{\circ} 18' E.$

I lay off from the true
meridian an angle of 90° from
North to East and run
E. on tangent, S. of sec. 36.

Over mountainous land up
ascut of mountain, through
cedar timber and dense
 sage brush undergrowth.

7.00 Divide bet. Rush Valley and
Skull Valley 1200 ft high
bearing $N. 35^{\circ} W.$ and $S. 35^{\circ} E.$ leave
cedar timber bears $N. W. S.$
and descend E. face of mountain.

Township 3 South
Through Range 7 W.

Chains Difference bet. measurements of
4000 chs. by two sets of chainmen
is 6 chs. opposition of middle point
By 1" set. 40.03 chs.
J. 3" " 39.97 chs the mean of which is
40.00 ft. 0.014 ft from tangent.
Set a limestone 18x15x10 ins. 12
ins. in the ground for standard
cor. of T 5 S. R 6 T 4 W. marked
S.C 5 S. on N., 6 W. on E. and
7 W. on N. faces; with 6 grooves on
N. E. and N. faces; and raised a
mound of stone 2 ft base 1 $\frac{1}{2}$
ft. high N. of cor.
It's impracticable
Sand mountainous
Soil stony 2" & 3" rate.
Mountainous land 40.00 chs.

Alonzo Stooker
A.S. Dep. Surveyor.

June 11. 1899.

Through Range 6 West

Chain Survey commenced June 11, 1899.
For description of tract etc see
Book A.

From the standard cor. of T. 5
S. R. 6 and 7 W. heretofore
described.

Thence down

E. w. tangent, S. of sec. 31.

Over rolling land through
dense sagebrush undergrowth,
down steep descent.

5.25. Foot of steep descent bears N. 45°
W. and S. 45° E.

37.95 Deep gully, drains S. 45° E. and
begin gentle ascent.

31.95 County Road, bears N. 45° W. and
S. 45° E.

Difference between measurements
of 40.45 chs. by two sets of chainmen
blks. position of middle point
By "1" set 40.47 chs.

" 2 " 40.42 1/2, the mean
of which is

40.45 N. 09 1/2 ft. from tangent. I find
the old standard 1/4 sec. cor. on
S. bds. of sec. 31, which is a lime
stone 10x10x6 ins above ground
marked and witnessed as
described by the Surveyor
General.

Sand rolling

Soil, gravel, loam and clay

Sand covered with dense
undergrowth 40.45 chs.

Alonzo Stoecky
Old Deputy Surveyor

June 11, 1899

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Alonzo Strokey,
United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of the First
Standard Parallel South 15° through Re. 677 W. Salt
lake Base and Meridian, showing the respective capacities in which they acted:

Harmon Millward, Richard Orr, Chainman.
G. S. Strokey, Roger Millward, Chainman.
G. S. Strokey, Moundman.
Roger Millward, Axman.
Roger Millward, Axman.
Roger Millward, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alonzo Strokey,

United States Deputy Surveyor, in surveying all
those parts or portions of the First Standard Parallel South
15° through Re. 677 W.

Salt Lake Base & meridian, State of Utah, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established according to the instructions furnished by the United States Surveyor
General for Utah.

Harmon Millward, Roger Millward, Chainman.
Richard Orr, G. S. Strokey, Chainman.
G. S. Strokey, Moundman.
Roger Millward, Axman.
Roger Millward, Axman.
Roger Millward, Flagman.

Subscribed and sworn to before me this 24
day of August, 1899.



Alonzo Strokey
U.S. Deputy Surveyor

BOOK NO. 25
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonzo J. Strokey, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from the United States Surveyor General for Ottawa, bearing date of the 29 day of October, 1897, I have well, faithfully, and truly, in my own proper person and in strict conformity with the instructions furnished by the United States Surveyor General for Ottawa, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The First Standard Parallel South 058 through R.S. 697 W of the Salt Lake Base and meridian, in the State of Ottawa, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Ottawa and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Subscribed by said Alonzo J. Strokey, and sworn to before me }
this 3d day of May 1902, 1897 }



Edward H. Anderson
U.S. Surveyor General for Ottawa

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 30, 1903, 1897
The foregoing field notes of the survey of The First Standard Parallel
South Township 5 South Range 6 & 7 West of the
Salt Lake City Standard Parallel

executed by Alonzo J. Strokey,
under his contract No. 24, dated Oct. 29, 1897, 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
....., has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-295

FIELD NOTES

OF THE SURVEY OF THE

West Boundary of Township & Section
Range 6 West
and

The East Boundary of Township & Section
Range 7 West

of the Salt Lake Base and Meridian,
State of Utah

AS SURVEYED BY

Alonzo J. Shambaugh, United States Deputy Surveyor,
Under his Contract No. 216, dated Oct. 29, 1897

Survey commenced Jan. 13, 1898

Survey completed Jan. 14, 1898

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high 5.79 41'
low 4.40'

16.00 top of ridge bears S. 70° W.

NAMES AND DUTIES OF ASSISTANTS.

Hiram Millward

Brahmaan

Richard Orr

"

G. S. Strokey

Moundman

Roger Millward

Axman

Roger Millward

Flagman

In full view of officials the book A. G. J. S. R. 6. W.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

; Chainman.

Subscribed and sworn to before me this _____
day of _____, 189 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this _____
day of _____, 189 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this _____
day of _____, 189 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 }



E. bdy. of T. 6 S. R. 7 W & W. bdy. of T. 6 S. R. 6 W

Chains Survey commenced June 13-1899 and executed with a W. & L. C. Gurley light mountain transit for description of which see page 1 Book A;

At the closing corner of Tp. 6⁴7 S. R. 7 W. as established by myself & heretofore described, observe Polaris at $2^{\text{h}} 1^{\text{m}}$ a.m. I. m. N. at eastern elongation in accordance with the instruction in the manual and mark the line thus determined by a rock driven in a wooden plug set in the ground 5.00 chs. N. of any station.

June 13-1899 at 4:00 a.m. I turn off the azimuth of Polaris $1^{\circ} 37'$ to the West and mark the True Meridian thus determined by driving a rock in a wooden plug firmly set in the ground West of the mark established last night, the magnetic bearing of the said True Meridian is N. $16^{\circ} 26'$ W which reduced by the table on page 100 of the manual gives the mean magnetic declination $16^{\circ} 20'$ East knowing from my closing of the S. bdy. of Tp. 6 S. R. 7 W. on the W. bdy. of Tp. 7 S. R. 6 W. that double corners will be necessary on the range line bet. R. 6⁴7 W. T. 6 S. S. therefore proceed as follows.

From the closing cor. of Tp. 6⁴7 S. R. 7 W. draw

N. on true line on E. bdy. of sec. 36 Tp. 6 S. R. 7 W.

Over mountainous land up rather steep ascent.

2.36 Cor. to Tps. 6⁴7 S. R. 6 W. heretofore described.

2.40 Ravine drains S. 45° E. and begins steep ascent.

16.00 Top. of ridge bears S. 70° W.

E. body of T. 6 S. R. 7 W. or W. body of T. 6 S. R. 7 W.

chains 32.90	Bottom of hollow drains N. and ascend.
40.00	Set a limestone 18 X 10 X 6 ins. 12 ins. in the ground for 1/4 sec. cor. of sec. 36. T. 6 S. R. 7 W. marked 1/4 on W. face raised a mound of stone 2 ft. base 1 1/2 ft. high W. of corner Pits impracticable
42.36	Set a limestone 15 X 7 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. for sec. 31. T. 6 S. R. 6 W. marked 1/4 on W. face raised a mound of stone 2 ft. base 1 1/2 ft. high E. of cor. Pits impracticable
51.75	Ridge bears E. & W. & descended.
60.00	Foot of steep descent bears E. & W.
62.00	Outer maples bears E. & W. Hollow drains W.
80.00	Set a limestone 15 X 8 X 8 ins. 10 ins. in the ground for cor. 10 secs. 25 & 26 T. 6 S. R. 7 W. marked 1 notch on S. & 3 notches on N. edges raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable Land. mountainous Soil. stony 2" & 3" rate Timber. Maples mountainous land TD. 0.0 chs.

2.36	N. on true line on E. body of sec. 236 Over rough mountainous land Set a limestone 18 X 10 X 6 ins. 12 ins. in the ground for cor. 10 secs. 30 & 31 T. 6 S. R. 6 W. marked 1 notch on S. & 3 notches on N. edges raised a mound of stone 2 ft. base 1 1/2 ft. high E. of corner Pits impracticable
7.41	Bottom of hollow drains N. 45° W
16.40	Leave Maples bears E. & W.
20.36	Ridge bears N. 45° W. & S. 45° E.
24.75	Rainy drains N. 45° W.
38.50	Begins steep descent over ledges bears N. 45° W. & S. 45° E.

E. body of T. 6 S. R. 7 W. & W. body of T. 6 S. R. 6 W.

chains 40.00	Set a limestone 15x10x6 ins. 10 ins. in the ground for 1/4 sec. cor. of sec. 25 T. 6 S. R. 7 W. marked 1/4 on W. face raised as mound of stone 2 ft. base 1/2 ft. high E. of cor. Pits impracticable.
	A cedar 7 ins. in diameter bears S. 15° W. 75 lbs. dist. marked 1/4 S. 25° B. T.
	A cedar 14 ins. in diameter bears S. 45° W. 1.00 ch. dist. marked 1/4 S. 25° B. T.
42.36	Set a limestone 15x10x8 ins. 10 ins. in the ground for 1/4 sec. cor. of sec. 30 T. 6 S. R. 6 W. marked 1/4 on W. face raised as mound of stone 2 ft. base 1/2 ft. high E. of cor. Pits impracticable
48.00	Bottom of deep rugged hollow drains N. 45° W. and ascends.
64.00	Top of steep ascent bears N. 30° W. and S. 30° E.
71.00	Bottom of hollow drains N. 65° W.
76.25	Small ridge bears N. 45° W. & S. 45° E.
78.70	Bottom of hollow drains N. 65° W.
80.00	Set a limestone 18x8x8 ins. in mound of stone (is impossible to set stone in ground. for cor. to secs. 24 + 25 - T. 6 S. R. 7 W. marked 2 notches on S. & 4 notches N. edges raised as mound of stones 2 ft. base 1/2 ft. high W. of cor. Pits impracticable Land mountainous. Soil stony. 3" rock. Timber scattering cedar. Mountainous land. \$0.00 ch.
	N. on tree line on E. body of sec. 24. Over mountainous land sloping to the West.
9.36	Set a limestone 18x10x6 ins. 12 ins. in the ground for cor. to secs. 19 + 30 T. 6 S. R. 6 W. marked 2 notches on S. & 4 notches on N. edges raised as mound of stone 2 ft. base 1/2 ft. high E. of cor. Pits impracticable

C. Survey of J. 6 S. R. 7 W. & W. boundary of J. 6 S. R. 6 W.

- 7.50 Begin steep descent bears N. 45° W. 45° E.
 10.00 Bottom of hollow drains N. 45° W.
 14.70 Top of steep descent bears N. 45° W. 45° E.
 17.00 Enter cedar timber bear E. of road.
 21.00 Bottom of rocky hollow drains N. 30° W.
 27.50 Top of ridge bears N. 45° W. 45° E.
 40.00 Set a limestone 18x8x6 ins. 12 ins. in the
 ground for 1/4 sec. cor. of sec 24 J. 6 S. R. 7 W.
 marked 1/4 on W. face raised a mound of
 stone 2 ft. base 1 1/2 ft. high W. of cor.
 Pits impracticable.
 Cedar 12 ins. in diameter bears S. 45° W.
 40 lbs. dist. marked 1/4 S. 24 T. 7.
 Cedar 14 ins. in diameter bears N. 30° W.
 30 lbs. dist. marked 1/4 S. 24 T. 7.
 41.20 Bottom of hollow drains S. 65° W.
 42.36 Set a limestone 15x7x6 ins. 10 ins. in the
 ground for 1/4 sec. cor. of sec. 19 J. 6 S. R. 6 W.
 marked 1/4 on W. face raised a mound
 of stone 2 ft. base 1 1/2 ft. high E. of cor.
 Pits impracticable.
 Cedar 14 ins. in diameter bears N. 1° E.
 6 lbs. dist. marked 1/4 S. 19 T. 7.
 Cedar 16 ins. in diameter bears S. 1° E.
 25 lbs. dist. marked 1/4 S. 19 T. 7.
 60.75Leave cedar timber also top of ridge
 bears E. of road.
 64.70 Bottom of hollow drains N. 55° W.
 69.18 Top of ridge bears N. 50° W. 45° S. 50° E.
 and begin steep descent.
 70.00 Set a limestone 15x8x6 ins. 10 ins. in
 the ground for cor. No Secs. 13 + 24
 J. 6 S. R. 7 W. marked 3 notches on N.
 S. edges. raised a mound of stone
 2 ft. base 1 1/2 ft. high W. of cor.
 Pits impracticable
 hard mounds
 Soil, stony 4" rock
 Timber cedar
 heterogeneous land 70.00 chs.

C. bdy. of T. 6 S., R. 7 W. & W. bdy. of T. 6 S., R. 6 W.

- Chainie
1. 25 W. on tree line on E. bdy. of sec. 18.
Bottom of hollow drains N. 60° W.
2. 36 Set a limestone 15x8x6 ins. 10 inches in a
mound of stone on boulder 12x10x6 ft.
marked 3 notches on N. & S. edges raised
a mound of stone 2 ft. base 1 1/2 ft. high E.
of cor.
Pits impracticable.
A cedar 7 ins. in diameter bears S.
10° E. 20 lbs. dist. marked T. 6 S., R. 6 W.
S. 19 T. B. J.
No other trees within limits.
12.00 Top of steep ascent and enter cedar
timber bears E. & W.
19.00Leave cedar timber bears E. & W.
20.00 Begin steep descent bears E. & W.
40.00 Set a limestone 15x8x6 ins. 10 ins. in the
ground on steep side hill sloping to the
N. & E. for 1/4 sec. cor. of sec. 18 T. 6 S., R. 7 W.
marked 1/4 on W. face raised a mound
of stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable
A cedar 14 ins. in diameter bears S. 6° W.
1. 35 lbs. dist. marked 1/4 S. 13 T. B. J.
A cedar 24 ins. in diameter bears S. 45° W.
1. 25 lbs. dist. marked 1/4 S. 13 T. B. J.
42.36 Set a limestone 20x8x6 ins. in a mound
of stone (impossible to set stone in ground
for 1/4 sec. cor. of sec. 18 T. 6 S., R. 6 W.
marked 1/4 on W. face raised a mound
of stone 2 ft. base 1 1/2 ft. high E. of cor.
Pits impracticable
42.66 Bottom of hollow drains N. 45° W.
47.00 Top of ridge bears N. 50° W. & S. 50° E.
70.85 Bottom of hollow drains N. 45° W
77.20 Enter cedar timber bears E. & W.
80.00 Set a limestone 15x8x6 ins. 12 ins. in
the ground for cor. of secs. 12 & 13 T. 6 S., R. 7 W.
marked 4 notches on S. & 2 notches on N. edges
raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable
A cedar 24 ins. in diameter bears N.

E. bdy. of T. 6 S. R. 7 W. & W. bdy. of T. 6 S. R. 6 W.

Chains	50° W. 10 lbs. dist. marked T. 6 S. R. 6 W. S. 12 T. 3. T.
	Cedar 12 ins. in diameter bears 10° W. 10 lbs. dist. marked T. 6 S. R. 7 W. S. 12 T. 3. T.
	Land mountainous
	Soil stony & slate
	Timber cedar
	Mountainous land. \$0.00 chs.
2.36	N. on tree line on E. bdy. of sec. 12 Over rough mountainous land Through cedar timber Set quartzite stone 18 x 8 x 7 ins. 12 ins. in the ground for cor. to secs. 7 & 11 T. 6 S. R. 6 W. marked 4 notches on S. 2 notches on N. edges raised & around of stone 2 ft. base 1 1/2 ft. high E. of cor. Pits impracticable A cedar 24 ins. in diameter bears N. 80° E. 15 lbs. dist. marked T. 6 S. R. 6 W. S. 7 T. 3. T.
	C. cedar 30 ins. in diameter bears S. 70° E. 6 lbs. dist. marked T. 6 S. R. 6 W. S. 12 T. 3. T.
12.00	Leave cedar timber bears E. & W.
15.86	Divide between Sheep Valley & Skull Valley 1,000 ft. high bears N. 25° W. S. 25° E. and ascend through dense sagebrush undergrowth
29.51	Ridge between Serviceberry & Choke-cherry canyon bears E. & W.
36.88	Bottom of hollow drain S. 65° E.
40.00	Set Quartzite stone 15 x 10 x 8 ins. 12 ins. in the ground on steep side hill facing E. for 1/4 sec. cor. of sec. 12 T. 6 S. R. 7 W. marked 1/4 on W. face raised & around of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
	Cedar 24 ins. in diameter bears S. 10° W. 1.83 lbs. dist. marked 1/4 S. 12 T. 3. T.
42.36	Set a limestone 15 x 10 x 6 ins. 10 ins. in the ground on side hill sloping E. for 1/4 sec. cor. of sec. 7 T. 6 S. R. 6 W. marked 1/4

E. bdy. of T. 6 S. R. 7 W. + US. road N. E. S. R. 7 W.

	on W. face raised a mound of stone 2 ft. high 1/2 ft. high E. of cor. Pits impracticable
61.25	Top of ridge bears N. 65° E. + S. 65° W. Wash drains E.
73.40	Ridge bears N. 70° E. + S. 70° W.
76.30	Ridge bears N. 70° E. + S. 70° W.
80.00	Ridge bears N. 85° E. + S. 85° W. Set-quartzite stone 15' X 7' X 6' in. 10 in. in the ground for cor. of sec. 1 + 2 T. 6 S. R. 7 W. marked 5' notches on S. 1 notch on N. edges raised a mound of stone 2 ft. high 1/2 ft. high W. of cor. Pits impracticable land mountainous Soil, loam and gravel 2" note Timber cedar Mountainous land or hills covered with dense undergrowth 70.00 obs.

	N. on tree line on E. bdy. of sec. 1 Over broken mountainous ground through dense vegetation and irregular 2.36 Set-quartzite stone 15' X 6' in. 10 in. in the ground for cor. N. sec. 1 + 2 T. 6 S. R. 6 W. marked 5' notches on S. + 1 notch on N. edges raised a mound of stone 2 ft. high 1/2 ft. high E. of cor. Pits impracticable
12.32	Wash drains N. 55° E.
20.50	Top of ridge bears N. 55° E. + S. 55° W.
23.96	Wash drains N. 55° E.
34.50	Ridge bears E. + W.
40.00	Set-alimestone 15' X 8' X 8' in. 10 in. in the ground for 1/4 sec. cor. of sec. 1 T. 6 S. 7 W. marked 1/4 on W. face raised a mound of stone 2 ft. high 1/2 ft. high W. of cor. Pits impracticable

E. body of T. 6 S. R. 7 W. & W. body of T. 6 S. R. 6 W.

Chains	
42.36	Set in limestone 18 x 10 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. of sec. 6 T. 6 S. R. 6 W. marked 1/4 on W. face raised a mound of stone 2 ft. base 1 1/2 ft. high E. of cor. Pits impracticable
47.00	Bottom of hollow drain S.
57.00	Road bears N. 45° E. & S. 45° W.
60.10	Wash drain S. 45° E.
68.75	Top of ridge bearing S. & W.
78.30	Bottom of hollow drain S. 60° E.
79.41	Intersect 1st standard Parallel South 9.40 chs. E. of cor. of Tps. 5-6 S. R. 6+7 W. Set in limestone 20 x 12 x 6 ins. 15 ins. in the ground for closing corner of Tps. 6 S. R. 6+7 W. marked C.C. on S. with 6 grooves on S. E. & W. faces raised a mound of stone 2 ft. base 1 1/2 ft. high E. of cor. Pits impracticable Sand rolling and broken Soil: 2" slate loam and gravel No timber Land covered with dense undergrowth
79.41	chs.

For general description see notes on
subdivision T. 6 S. R. 7 W.

June 14.

Boundaries of C. G. S. R. 6 W.

Satitudes, Departures & Closing Errors

Since Designated	True Dist.	Dist.	Satitudes	Departure
			N. S.	E. W.
S. bdy G. S. R. 6 W.	11.89° 53' E	237.17	.47 ✓	237.17
1st sec 384 34	North	80.00	80.00	
" " 284 33	West	80.00		80.00
" 284 22, 204 21, 164 14	11.0° 01' W.	240.00	240.00	.09 ✓
" 84 14	West	5.25		5.25 ✓
" " 84 9, and 48 5	North	151.52	157.52	
1 ^o Std. Parallel S.	West	151.05		151.05 ✓
W. bdy G. S. R. 6 W.	South	477.05	477.05	
Convergency				30 ✓
			477.99 477.05	237.17 236.59 ✓
			149.05	236.59 ✓
			Error	
			0.84 in 10 ⁶	0.88 ✓

In general description see
notes on subdivisions this Tp.
Alvyn Strokey
G. S. R. P. Surveyor.

June 14th 1899.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

of the 85th Regt
, Chainman.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

, United States Deputy Surveyor, in surveying all

those parts or portions of the

of the

meridian, of , which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for

of the 85th Regt
, Chainman.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

Subscribed and sworn to before me this

day of , 180 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

United States Deputy Surveyor, do

I, solemnly swear that, in pursuance of a contract received from United States Surveyor General for _____, bearing date of the day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

of the
meridian, in the _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

J.W.
John W. Knobell
United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189_____.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

John W. Knobell Oct 30 1903, 189_____
The foregoing field notes of the survey of *The West Boundary Township,
South Ridge & West of the East Boundary Township 6
South Ridge 7 West of the South Ridge & Boundary
Line*

executed by _____, *George J. Sturkey*,
under his contract No. *D 14*, dated *October 27*, 189_____, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Edward M. Purcell
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-295

Aug 20.

FIELD NOTES

OF THE SURVEY OF THE

*Land division line**From the Right Side of the Cheat River to the**of the Dahlonega Parallel and Meridian,**Place of Meeting*

AS SURVEYED BY

*John F. Thompson, United States Deputy Surveyor,**Under his Contract No. 320, dated October 22d, 1897.**Survey commenced December 15, 1897.**Survey completed December 15, 1897.*

St. 24:44:20

Log 20.36'

Net loss 169.36'

Resurveyed 79-10'

NAMES AND DUTIES OF ASSISTANTS.

Stephens Millward

Chambers

Richard Orr

J. S. Stokley

Manager

Roger Millward

Assistant

Roger Millward

Flagman

In preliminary affidavits see book B p 75 P 687

BOOK A-295

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Township 6 S., Range 6 W.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this _____
day of _____, 189 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this _____
day of _____, 189 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this _____
day of _____, 189 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 }



Subdivisions of T. 6 S. R. 6 W.

Chains	<p>Survey commenced June 15 - 1899. For description of tract etc. see Book A, From the cor. of sec. 3-4 - 33 + 34 on S. bdy. of Tp. as established by myself and heretofore described. At 1.53 a.m. I went to observe Polaris at eastern elongation in accordance with Manual of Instructions and mark a point in the line thus determined by driving a plug driver in the ground 5.00 chs. N. of my station.</p>
	<p>June 15 - 1899 at 7. a. m. I went to lay off the azimuth of Polaris $1^{\circ} 36'$ to the west and mark the true meridian thus determined by driving a rock into a wooden plug firmly set in the ground west of the point established last night; the magnetic bearing of said true meridian is N. $16^{\circ} 36'$ W. which reduced by the Table on page 100 of the Manual gives the mean magnetic declination $16^{\circ} 36'$ E.</p>
	<p>Hence I ran</p>
	<p>N. betw. sec. 33 + 34</p>
	<p>Over rolling land through dense sagebrush undergrowth.</p>
5.75	<p>Ravine drains E.</p>
	<p>Ceder cedar timber bears E. + W.</p>
10.00	<p>Top of ascent bears E. + N.</p>
27.00	<p>Ravine drains E.</p>
37.00	<p>Top of ascent bears E. + W.</p>
41.00	<p>Set a limestone 15 X 10 X 6 ins. 10 ins in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face raised as number of stone 2 ft. base 1$\frac{1}{2}$ ft. high W. of cor.</p>
	<p>Pits impracticable</p>
	<p>A Cedar 8 ins. in diameter bears N. $6^{\circ} 30'$ E. 15 lbs. dist. marked $\frac{1}{4}$ S. 34$^{\circ}$ E. J.</p>
	<p>A cedar 8 ins. in diameter bears N. $7^{\circ} 30'$ W. 34 lbs. dist. marked $\frac{1}{4}$ S. 33$^{\circ}$ E. J.</p>
46.50	<p>Fallow drains E. continue over ridges and ravines.</p>

Subdivisions of T. 6 S. R. 6 W.

chains 70.00	Leave cedar timber bears E. + W.
80.00	Set a sandstone 15x8x6 ins. 10 ins. in the ground for cor. of sec. 27-28-33+34. marked 1 notch on S. + 3 notches on E. edges raised at around of stone 2 ft. base 1/2 ft. high W. of cor. Pits impracticable. Land rolling and broken Soil gravel 2" rare Timber cedar Land heavily timbered or covered with dense undergrowth 80.00 chs.
	From the cor. of sec. 26-27-34+35- which is a pine stake awarded and unbiased as described by the Surveyor General. Thence S. run W. on random line bet. secs. 27+34.
29.60	No trace of old corner.
40.00	Set temp 1/4 sec. cor.
74.80	Intersect N. + S. line 30 lbs. S. of the cor. of secs. 27-28-33+34. The falling being out of limit for the portion of the line which is new work viz. 45.20 chs. therefore S. destroy all marks on cor. of secs. 27-28-33+34 that pertain to secs 27+34 and at my point of intersection Set a line stone 15x10x6 ins. 10 ins. in ground for closing cor. of secs. 27+34. marked C.C. on E. face 1 groove on S. + 3 grooves on S. faces and raised at around. of stone 2 ft. base 1/2 ft. high E. of cor. Pits impracticable Thence S. run E. on line line bet. secs. 27+34 Over rolling ground through dense timber and undergrowth
22.70	Wood road bear. N. 45° E. + S. 45° W.

Conditions of T. S. R. 6 W.

34. 70	Set. a limestone 1.5 X 6 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4.0 W. face raised a mound of stone 2 ft. base 1/2 ft. high N. of cor.
	Pits impracticable
	Cedar 12 ins. in diameter bears S.
35. 00	6 lbs. dirt marked 1/4 S. 34.7 B. T.
	Cedar 18 ins. in diameter bears N. 10 lbs. dirt marked 1/4 S. 27 B. T.
34. 80	The cor. of sec. 26-27. 34 + 33 -
	Land rolling
	Soil gravel 3' rate
40. 00	Timber cedar
29	Land covered with cedar timber or dense undergrowth 74.70 chs.
	From cor. of secs. 4-5-32 + 33
	On S. bdg. of the Tp. as established by myself and heretofore described Hence 3 miles
	N. 0°.01' W. on line bet. sec. 32 + 33
	Over mountainous land through pine and mahogany timber down steep descent.
13. 60	Enter Asper. timber bears E. + W.
13. 53	Follow drains E.
28. 63	Top of ascent bears E. + W.
34. 00	Bottom of side drains E.
40. 00	Set. a sandstone 18 X 8 X 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4.0 W. face raised a mound of stone 2 ft. base 1/2 ft. high W. of cor.
	Pits impracticable
49. 33	Top of ascent bears E. + W. + begins descent over ledges and cliffs into Big Canyon.
71. 50	Foot of last cliff in series bears E. + W.
75. 50	Road bears E. + W.
76. 10	Bottom of big canyon on drains E.
78. 00	Set. a limestone 18 X 6 X 6 ins. 12 ins. in the ground for cor. of sec.
28. 29	32 + 33 marked N. on S.

Subdivisions of T. & R. Co. U.S.

	<p>and 4 notches on S. ridge. raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.</p> <p>On mahogany T. line in mountainous S. 36' E. 1.49 chs. dist. marked T. L.S. 12 6 W. S. 33 7 B. J.</p> <p>No other lines within bounds lands mountainous.</p> <p>Soil, stony 3" rate.</p> <p>Timber, pine aspen + mahogany.</p> <p>Mountainous land 76.00 chs.</p>
	<p>From the cor. of sec. 28-29-32 + 33</p> <p>Shaded B. river.</p> <p>N. 79° 53' E. for mountainous land bet. sec. 28 + 33.</p>
40.00	<p>Set. on N. p. 1/4 sec. cor.</p>
80.00	<p>Divided the N. 4 S. line 16 W. N. of cor. of sec. 28 + 33</p> <p>Shaded B. river.</p> <p>W. on line line bet. sec. 28 + 33.</p> <p>Over rolling broken land through dunes no vegetation undergrowth esp. further ascend.</p>
40.00	<p>Set. a road like 19 x 9 ft. line. 1/2 ins. in the ground for 1/4 sec. cor. covered 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.</p> <p>Pits impracticable.</p>
51.50	<p>Enter cherry undergrowth bear N. 45° E. 45° S. 45° W.</p>
52.50	<p>Leave cherry undergrowth bear N. 45° E. and ascend.</p>
65.75	<p>Top of rocky spur bear N. 45° E. 45° S. 45° W. and descend into Big Canyon.</p>
73.25	<p>Road bear N. 65° E. 45° S. 65° W.</p>
75.25	<p>Bottom of Big Canyon drains N. 65° E.</p>
80.00	<p>The cor. of sec. 28-29-32 + 33.</p> <p>Land rolling and mountainous.</p> <p>Soil, stony 3" rate.</p> <p>Mountainous land or land covered with dense undergrowth 80.00 chs.</p>

Subdivisions of T. 6 S. R. 6 W.

Chain from the $\frac{1}{4}$ sec. cor. bet. secs. 27 & 28, which is at post very much decayed unmarked and situated as described by the Surveyor General.

Hence I run

S. on random line bet. secs. 27 & 28.

8.00 The trace of old corner
39.40 Intersect E. & W. line 5.00 chs. W. of the cor. of secs. 28 & 33 as established by myself, and heretofore described where I set a limestone 15x10x8 ins. 10 ins. in the ground for closing cor. of secs. 27 & 28, unmarked C.C. on N. with 1 groove on S. and 3 grooves on E. faces and raised around of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pitt impracticable.

From the cor. of secs. 28 & 33 I destroy all marks pertaining to sec 28, marking it for N.E. cor. of sec 33 only.)
Hence I run

N. on true line bet. secs. 27 & 28.

Over rolling land through dense sagebrush undergrowth

10.00 Enter cedar timber bears E. & W.

29.60 Wood road bears E. & W.

39.40 The $\frac{1}{4}$ sec. cor. bet. secs. 27 & 28.
Land rolling

Soil dry and gravel 3" rate

Timber cedar

Land covered with cedar timber
or dense undergrowth 39.40 chs.

6

Subdivisions of T. 16 S. R. 6 W.

- From the cor. of sec. 28-29 - 32+33
- These subdivisions
- N. 0.01' W. bet. secs. 28+29
- Over mountainous and rolling land gently ascending
- 14.00 Top of rocky point bears N. 65° E. + S. 65° W. and descend
- 31.63 Foot of mountain and ravine drains N. 65° E.
- 40.00 Set a sandstone 18 X 6 ft. 6 ins. 12 ins. in the ground for 1/4 sec. cor. between sec. 28+29 on S. brow of rocky ridge marked 1/4 on W. face raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impractical
- 40.50 Top of bare ridge bears N. 65° E. + S. 65° W. and descend through dense sage brush undergrowth
- 43.50 Foot of descent bears E. + W. Leaves sagebrush and enter cherry bears E. + W. "
- 46.30 Leaves cherry enter sagebrush bears E. + W.
- 47.30 Ravine drains N. 65° E.
- 48.20 Road bears N. 65° E. + S. 65° W.
- 52.30 Top of ridge bears E. + W.
- 59.20 Ravine drains E.
- 65.30 Top of ridge bears E. + W.
- 76.13 Ravine drains N. 70° E.
- 79.20 Ridge bears E. + W.
- 80.00 Set a limestone 15 X 6 ft. 6 ins. 10 ins. in the ground for cor. 10, secs. 28-29 - 32+29. marked 2 notches on S. + 4 notches on E. edges raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impractical
- Land mountainous and rolling
- Soil 2" + 3" sole stony
- Timber scattering analogously on S. end of mile
- Mountainous land or land covered with dense sagebrush 80.00 ch.

Subdivisions of T. 6 S. 7 R. 16 W.

Chain	From the 1/4 sec. cor., bet. secs. 21 + 28. which is a pine stake very much decayed which I perpetuate by setting a limestone 15x7x6 ins. 10 ins. in the ground marked 1/4 on N. face Then I run
21.00	W. on random line bet. secs. 21 + 28 No trace of old corner
35.00	I intersect the N. + S. line 63 ft. S. 50° E. of the cor. of secs. 20 - 21 - 28 + 29. where I set a limestone 15x7x6 ins. 10 ins. in the ground for clos. cor. of secs. 21 + 28 marked C.C. + 4 grooves on E. and 2 grooves on S. faces raised a mound of stone 3 ft. base 1 1/2 ft. high Q. of cor.
	Pits impracticable I destroy all marks on cor. of secs. (20 - 21 - 28 + 29 perpendicular to secs. 21 + 28) Then I run
35.00	E. on tree line bet. secs. 21 + 28. Over rolling land through dense sagebrush undergrowth The 1/4 sec. cor. between sec. 21 + 28. land rolling Soil, gravel 2" hole Land covered with dense vegetation - growth 35.00 abo.
.50	From cor. of secs. 30 + 24
15.58	Then I run
22.28	W. 0° 01' W. between secs. 30 + 21
27.20	Over rolling ground through dense sagebrush undergrowth
36.40	Ravine drains N. 45° E.
40.00	Ravine drains N. 65° E.
	Ravine drains N. 65° E.
	Ravine drains N. 45° E. + S. 45° W.
	Ravine drains N. 45° E.
	Set a sandstone 15x8x5 ins. 10 ins. in the ground for 1/4 sec. cor. between sec.

Subdivisions of T. 6 S. R. 6 W.

	20 + 21. on bench sloping gently to the E marked 1/4 on W. face raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pile impracticable
60.00	Begin descent into ravine
61.50	Ravine drains E. & ascend
63.00	Top of ascent
67.00	Road bears E. & W.
74.00	Begin descent into hollow
74.50	Bottom of hollow drains E.
80.00	Set a conglomerate stone 15 x 4 x 8 ins. 10 ins. in the ground for cor. to sec. 16-17. 20 + 21. marked 3 notches on S and 4 notches on E. edges. raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pile impracticable
	A cedar 5 ins. in diameter bears N. 85° E. 10 lbs. dist. marked T. 6 S. R. 6 W. S. 16. T. 3.
	A cedar 12 ins. in diameter bears N. 15° W. 20 lbs. dist. marked T. 6 S. T. R. 6 W. S. 17. T. 3.
	Land rolling Soil, gravelly 2" rare Timber cedar at N. end of ridge Land covered with dense undergrowth
80.00 ch.	

From the 1/4 sec. cor. between 16 + 21
which is a pine stake very much
decayed which I perpetuate by setting
a limestone 15 x 6 x 5 ins. 10 ins. in the ground
marked 1/4 on N. face.

Hence from

W. on random line bet. sec. 16 + 21

36.00 Intersect N. + S. line 100 ch S. 0.1' W.
of the cor. of sec. 16-17-20 + 21 where
I set a limestone 15 x 8 x 6 ins. 10 ins
in the ground in closing cor. of sec. 16 + 21
marked C.C. and 4 grooves on E.

Subdivisions of T. 6 S. R. 6 W.

	Chains and 3 grooves on S. faces raised. A ring around stone 2 ft. base 1 1/2 ft. high. C. of cor.
	Pits impracticable
	I destroy all marks on the old corner pertaining to secs. 16 & 21.
	I never do here.
	C. on true line bet. secs. 16 & 21
	Over hilly ground through dense sagebrush undergrowth
38.00	The 1/4 sec. cor. between secs. 16 & 21 is undulating and rolling. Soil stony & rocky. Land covered with dense undergrowth
	38.00 chs.

	From cor. of secs. 17 & 20. I never do here.
	At N. 1/4 W. bet. secs. 16 & 17
	Over undulating ground cut by ravines, and hollows through dense sagebrush undergrowth and scattering cedar timber.
40.00	Set white limestone 16x18x1 in., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 out US. faces raised & rounded. Stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable
40.00	Set white limestone 16x18x1 in., 10 ins. in the ground for cor. 1/4 secs. 16 & 17 marked 1, notches on S. 1/4 notches on E. edges raised & around of stone 2 ft. base 1 1/2 ft. high W. of corner.
	Pits impracticable
	Land broken and undulating
	Soil gravelly 2" & 3" rock
	Timber scattering cedar
	Land covered with timber or dense undergrowth 40.00 chs.

10

Subdivisions of T. 6 S. R. 6 W.

	From the $\frac{1}{4}$ sec. cor. bet. secs. 9 + 16 which is a pine stake very much decayed, which I perpetuate by setting a limestone 15 x 6 x 6 ins. 10 ins. in the ground marked $\frac{1}{4}$ on W. face Hence I run W. on random line bet. secs. 9 + 16
30.00	No trace of old corner
34.88	I intersect the N. + S. line 1.10 chs. S. of 11. E. of corner of secs. 8-9-16 + 17 where I set a limestone 15 x 8 x 6 ins. 10 ins. in the ground for closing cor. of secs. 9 + 16 marked C. C. on S. and 4 grooves on E. S. faces. raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high E. of cor. Pits impracticable
	From the cor. of secs. 8-9-16 + 17 I destroy all marks pertaining to secs. 9 + 16, from my closing cor. Hence I run E. on true line bet. secs. 9 + 16 Over rolling ground through dense rarebrush undergrowth
34.88	The $\frac{1}{4}$ sec. cor. bet. secs. 9 + 16 Land rolling Soil clay and gravel 3' rate Land covered with dense undergrowth 34.88 chs.

Subdivisions of T. 6 S. R. 6 W.

chains	From the cor. of sec. 5-6-31+32 on S. ldy. of Tp. as established by myself and heretofore described. I have drawn.
	No. 0° 02' W. bet. sec. 31 + 32.
	Up steep ascent of mountain.
7.50	Top of mountain 1500 ft. high bears E. 47 W. and begins steep descent.
18.00	Bottom of steep descent bears N. 75° W. + S. 75° E.
21.17	Aspern Spring 75° lbs. West
27.00	Begins to ascend bears N. 75° W. + S. 75° E.
31.00	Ridge bears N. 65° W. + S. 65° E.
40.00	Set a limestone 18 X 9 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised as a mound of stone 2 ft. back 1/2 ft. high W. of cor. Pits impractical
46.00	Bottom of summit draws N. 60° W.
53.10	Top of ridge bears N. 50° W. + S. 50° E. and descent
62.00	Bottom of descent begins ascend bears N. 60° W. + S. 60° E.
70.00	Set a limestone 18 X 10 X 7 ins. 12 ins. in the ground for cor. At sec. 29-30-31+32 marked 1/4 sec. on W. face raised as a mound of stone 2 ft. back 1/2 ft. high W. of cor. Pits impractical
	Ground mountainous
	Silt stony 2" scale
	No timber
	Mountainous ground 80.00 chs.

Subdivisions of T. 6 S. R. 6 W.

Chains	N. 89° 53' E. on random line bet. secs. 29 + 30.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect the N. & S. line at the cor. of secs. 28 + 29 = 30 + 31
	Then run
	S. 89° 53' W. on true line bet. secs. 29 + 32
	Up steep E. face of mountain
20.00	Enter mahogany timber bears N. & S.
24.00	Top of small ridge bears S. 45° E. + N. 45° W.
31.25	Enter cherry and aspen timber bears N. & S.
32.68	Bottom of hollow drain S. 45° E.
37.00	Leave cherry and aspen bears N. & S.
40.00	Set a sandstone 15 x 10 ft. rise 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised around of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
45.00	Point of ridge bears S. 45° E. + N. 45° W.
46.00	Enter mahogany timber bears N. & S.
63.00	Leave mahogany timber bears N. & S.
68.00	Summit of Bald Mountain divide bet. Rush Valley and skull Valley 16.00 ft. high bears N. 25° W. + S. 25° E.
	Poss. bears S. about 8 chs.
80.00	The cor. of secs. 29 - 30. = 31 + 32
	Land. mountainous
	Soil. stony 3" rate
	Timber pine and mahogany
	Mountainous land 80:10 chs.
	S. 89° 53' W. on random line bet. secs. 30 + 31
40.00	Set temp 1/4 sec. cor.
77.15	Intersect the W. bdy. of the Up at the cor. of secs. 30 + 31 as established by myself and heretofore described
	Then run

Subdivisions of T. 6 S. R. 6 W.

- Chains N. 89° 53' E. on tree line bet. secs. 30 & 31.
Over mountainous land ascending through dense maple undergrowth bears N. 9 S.
18. 13 Begin steep descent bears N. 45° W.
S. 45° E.
21. 43 Bottom of hollow drain N. 45° W.
37. 15 Set. w. limestone 18 x 8 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4. on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impractical.
- Cannahogany 10 ins. in diameter bears S. 20° 15'. 1 1/2' dist. unmarked 1/4 S. 31° 13' E.
64. 13 Top of ridge bears N. 15° E. & S. 45° W.
69. 03 Bottom of hollow drain S. 45° W. and ascend
77. 15 Top cor. of secs. 29 - 30 - 31 9 3' 1.
land mountainous.
Soil stony 2" & 3" rock
Timber scattering cedar canahogany
Mountainous land 77. 15 also

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N. 60° W. bet. secs. 29 & 30

Up gradual ascent of W. side of Bald Mountain

35. 00 Top of ascent bears N. 45° E. & S. 45° W.
40. 00 Set. w. limestone 18 x 8 x 6 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4. on W. face raised a mound of stone 3 ft. base 1 1/2 ft. high W. of cor. Pits impractical
44. 57 Summit of Bald Mountain divide bet. Rush Valley and Skull Valley 16.00 ft. high bears N. 30° W. & S. 20° E. and descending
57. 00 Begin ascent bears N. 75° W. & S. 75° E.
59. 70 Top of rocky ascent bears N. 75° W. & S. 75° E.

Subdivisions of T. 6 S. R. 6 W.

Chain	
59.00	Enter scattering pine timber bears E. & W. and continue down steep descent
60.00	Set a limestone 18x104.6 ins. 12 ins. in the ground for cor. to secs. 19-20-29+30. unmarked 2 notches on S. & 3 notches on E. edges raised a mound of stone 2 ft. base 1/2 ft. high N. of cor. Pits impractical A pine 10 ins. in diameter bears S. 88° E 27 lbs. dist. marked T. 6 S. R. 6 W. S. 29 Y. S. No other trees within limits Land mountainous Soil stony 3' rate Timber pine and mahogany on N. 1/2 mile Mountainous land \$0.00 chs.
61.00	N. 89°. 53' E. on random line bet. secs. 20+29.
62.00	Set limb 1/4 sec. cor. Intersect the N. & S. line at the cor. of secs. 20- 29 +29. Then 2 runs S. 89°. 53' W. on line line bet. secs. 20+29 Up gentle ascent through dense sagebrush undergrowth.

63.00	Road bears N. 45° E. + S. 45° W.
64.00	Foot of mountain bears N. & S. and begin steep ascent
65.00	Set a quartzite stone 18x8x4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1/2 ft. high N. of cor. Pits impractical
66.00	Enter timber bears N. & S. The cor. of secs. 19-20-29+30 Land mountainous Soil stony 3' rate Timber cedar Mountainous land \$0.00 chs.

Subdivisions of T. 6 S. R. 6 W.

Chains	S. 89° 53' W. on random line bet. sec.
	19.4.30.
40.00	Set. temp $\frac{1}{4}$ sec. cor.
77.11	Intersect the W. bdy. of the Sp. at the cor. of secs. 19 & 30 as established by myself and heretofore described Then S. run
	N. 89° 53' E. on true line between sec.
	19.4.30.
	Up. steep W. face of mountain
8.61	Bottom of hollow draws S. 45° W. & ascend
37.11	Set a limestone 18x18x6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
	Cedar 2 $\frac{1}{4}$ ins. diam. bears S. 50° W. 72 lbs. dist. marked $\frac{1}{4}$ S. 30° E. S. J.
	Cedar 2 $\frac{1}{4}$ ins. in diameter bears S. 50° E. 1.15 lbs. dist. marked $\frac{1}{4}$ S. 30° E. S. J.
53.11	Enter Aspen woods N. & S.
54.61	Leave Aspen woods N. & S.
65.11	Summit of Bald Mountain divide between Rock Valley & Sheep Valley 15' 10" H. high bears N. 30° W. and S. 30° E. and descended.
73.77	Enter pine timber from N. & S.
97.11	The cor. of secs. 19-20-29 & 30. Land mountainous Soil stony 3" & 4" rock Timber cedar - aspen and pine Mountainous land 77.11 chs.

N. 0° 02' W. between secs. 19 & 20
Over rough mountainous land
through pine timber

11.00	Leave timber bears N. 70° & S. 70° W. Bottom of hollow draws N. 70° E.
15.50	Begin steep ascent over series of perpendicular ledges
34.75	Top of rocky ridge bears N. 70° E. & S. 70° W.

Subdivisions of T. 6 S. R. 1 W.

40.00	Sed. limestone 15x7x6 ins. 12 ins in the ground for 1/4 sec cor. marked 1/4 on W. face raised a mound of stone 2 ft. base 1/2 ft. high W. of cor. Pits impracticable
44.75	Enter arahogany and pine timber beats E. & W.
59.50	Leave timber beats E. & W.
63.25	Enter Aspen beats E. & W.
63.95	Drag road beats N. 60° E. & S. 60° W.
65.81	Foot of mountain. Bottom of Canyon drains N. 60° E. and ascending
66.00	Leave Aspen beats E. & W.
69.00	Small ridge beats N. 70° W. & S. 70° E.
80.00	Sed. limestone 15x10x6 ins. 10 ins in the ground for cor. 10 sec. 17-18-19 & 20 marked 3 notches on S. & 3 notches on E. edges raised a mound of stone 2 ft. base 1/2 ft. high W. of cor. Pits impracticable Land mountainous Soil stony 2" & 3" rate Timber pine & Aspen Mountainous land \$0.00 chs.

	N. 89° 50' E. on random line between secs. 17 & 20
40.00	Set temp 1/4 sec cor.
80.00	Divided N. & S. line 16 lbs. N. of cor. of secs. 17 & 20 Thence S. river
	W. on tree line between secs. 17 & 20 over rolling bench land through scattering cedar timber and dense sagebrush undergrowth
5.00	Bottom of hollow drains S. 45° E.
11.00	Top of ridge beats S. 45° E. & N. 45° W.
22.00	Leave scattering cedar timber beats N. & S. and enter dense sagebrush undergrowth.

Subdivisions of T. 16 S. R. 16 W.

Chains 27.00	Hollow drains S. 60° E.
40.00	Sed. sandstone 15x8x6 ins. 10 ins. inc the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. basal 1/2 ft. high N. of cor.
	Pits impracticable
49.50	Hollow drains N. 60° E.
50.00	The cor. of secs. 17-18-19 & 20. Land rolling Soil 2" rate gravelly Timber few scattering cedars land covered with dense under- growth 80.00 chs.

S. 89°. 53' W. on random line between
secs. 18 & 19.

40.00	S.E. strip 1/4 sec. cor.
79.03	Intersect the W. bay. of Tp. at the cor. of secs. 18 & 19. as established by myself and heretofore described. Therein S. runs
	N. 89°. 53' E. on tree line between secs. 18 & 19.
	Up. steep W. face of mountain.
24.13	Summit of Bald Mountain divide between Rush Valley & Sheep Valley 14.00 ft. high bears N. 15° W. & S. 15° E. and descending
37.03	Sed. limestone 18x8x8 ins. 12 ins. inc the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. basal 1/2 ft. high N. of cor. Pits impracticable
38.13	Bottom of hollow drains N.
48.00	Top of ridge bears N. & S.
75.03	Top of mountain bears N. & S.
77.03	The cor. of secs. 17-18-19 & 20. Land mountainous Soil stony 3" & 4" rate Timber scattering cedars Mountainous land 77.03 chs.

Subdivisions of T. 6 S. R. 6 W.

	chain N. 6.02' W. between sec. 17 & 18.
	Over rolling bench land.
	Through dense sagebrush undergrowth
10.12	Bottom of hollow drains N. 45° E.
14.00	Ridge 900 ft. high bears N. 45° W. S. 45° E.
52.00	Ridge 900 ft. high bears N. 45° E. S. 45° W.
41.00	Set a limestone 15 X 10 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 owl W. face raised at mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
50.67	Lower Cherry timber bears N. 45° E. & S. 45° W.
	Hollow drains N. 45° E.
51.00	Leave Cherry bears N. 45° E. & S. 45° W.
52.15	Hollow drains E.
57.00	Ridge bears E. & W.
69.50	Hollow drains N. 45° E.
73.40	Ridge bears E. & W.
76.65	Hollow drains N. 45° E.
80.00	Set a limestone 15 X 10 X 6 ins. 10 ins. in the ground for cor. to sec. 7-8-17 & 18 marked 4 notches on S. 5 notches on E. edges raised at mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Cedar 24 ins. in diameter bears S. 50° E. 16 1/2 dist. marked T. 6 S. R. 6 W. S. 15° E. T. 3.
	Cedar 12 ins. in diameter bears N. 75° E. 1 3/4 dist. marked T. 6 S. R. 6 W. S. 8° E. T. 3.
	No other tree within limits.
	Land rolling and broken.
	Soil gravelly 2" rate.
	No timber.
	Land covered with dense under growth 80.00 ac.

Subdivisions of T. 6 S. R. 6 W.

Chains 40.00	E. on random line between secs. 8 & 17. Set lirup 1/4 sec. cor.
50.00	Intersect the N. & S. line at the cor. of secs. 8 & 17. Hence I run W. on true line bet. secs. 8 & 17. Over undulating ground and ridges through dense sagebrush undergrowth.
55.85	Tropic drain N. Road bears N. 30° E. & S. 30° W.
51.00	Bottom of hollow drains S. 65° E.
40.00	Set as limestone 18x8x6 ins. 10 ins. in the ground for 1/4 sec. cor marked 1/4 on N. face raised a moraine of stone 2 ft. base 1 1/2 ft. high N. of cor. Fills impracticable
51.00	Enter cedar timber bear N. & S.
55.00	Top of ridge bears N. & S.
56.44	Cedar cedar timber enter sagebrush undergrowth bears N. & S.
61.00	Bottom of hollow drains N. . . .
63.75	Top of ridge, bears N. 45° E. & S. 45° W.
72.50	Bottom of hollow drains N. 55° E.
80.00	The cor. of sect. 7-8-17 #18 Found undulating ground broken by stony 2" rock Timber - cedar Moraines found on hills covered with dense undergrowth 80.00 chs.

Chains 40.00	S. 89° . $53'$ W. on random line between secs. 7 & 18 Set lirup. 1/4 sec. cor.
56.61	Intersect the W. bdg. of Tp. at the cor. of secs. 7 & 18 as established by myself and heretofore described Hence I run N. 89° . $53'$ E. on true line between secs. 7 & 18.
	Up steep W. face of mountain

Subdivisions of T. 16 S. R. 16 W.

chain 9.35	Livide between Ruth Valley and Skell Valley 1000 ft high bears N. & S. Leave cedar timber enter sagebrush undergrowth bears N. & S. and begin steep descent.
20.00	Foot of steep descent bears N. & S.
36.60	Set a quartzite stone 15 x 8 x 8 ins. 10 ins. in the ground for 1/4 sec cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impractical
45.50	Rainy drains N. 40° E. Spring bears N. 40° E. 3 chs.
46.60	Ridge bears N. 40° E. + S. 40° W.
53.96	Road bears N. 40° E. + S. 40° W.
62.60	Ridge bears N. & S.
76.60	The cor. of secs. 7-8-17 + 18. Land mountainous Soil 1" + 2" rate gravelly Timber scattering cedar Mountainous land or land covered with dense undergrowth 76.60 chs.
35.72	From the 1/4 sec cor. bet. secs. 8 + 9 which is a pine stake very much decayed which I perpetuate by setting a limestone 15 x 6 x 6 ins. 10 ins. in the ground marked 1/4 on W. face I then set over S. on random line bet. secs. 8 + 9. I intersect the E. + W. line 5.25 chs. W. of the cor. of secs. 8 + 17. Set a lime stone 15 x 8 x 7 ins. 10 ins. in the ground for closing cor. of secs. 8 + 9 marked C. C. on N. & 4 grooves on S. & E. faces raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impractical I destroy all marks on cor. of secs. 8 + 17 that pertain to sec 8 & mark it as the N.E. of sec 17. Hence I turn

Subdivisions of T. 6 S. 7 R. 6 W.

Chain	N. of tree line bet. sec. 8 & 9
	Over gently rolling ground through dense sagebrush undergrowth and scattering cedar timber.
3.72	Deep gully drains N. 5° E.
10.72	Bottom of hollow, mouth of Choke Cherry Canyon, drains E. and wagon road bears E. & W.
12.72	Enter cedar timber, bears E. & W.
21.72	Leave cedar timber, bears E. & W.
28.72	Top of ascent bears E. & W.
31.42	Gully drains S. 55° E.
38.72	The 1/4 sec. cor. bet. sec. 8 & 9. land rolling Soil gravel 2" rate Timber scattering cedar land covered with dense undergrowth or cedar timber 38.72 chs.

- From cor. N. sec. 7-8-17 & 18.
N. 8° W. between sec. 7 & 8.
Over undulating and broken ground descended through dense sagebrush undergrowth
- 18.10 Roads bears N. E. & S. W. and Choke Cherry Canyon hollow drains N. 7° E. & ascended.
- 22.00 Enter cedar timber, bears E. & W.
- 30.00 Leave cedar timber bears E. & W. and enter sagebrush undergrowth
- 36.00 Ridge 750 ft. high between Serviceberry and Choke Cherry Canyon bears E. & W.
- 40.00 Set a quartzite stone 15x8x6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
- 44.80 Bottom of small hollow drains E.
- 44.50 Ridge bears N. 40° E. & S. 40° W.
- 77.06 Bottom of hollow drain N. 45° W.

Subdivisions of T. 6 S. R. 6 W.

Chain 80.00	Set a limestone 18x8x8 ins. 12 ins. in the ground for cor. 10 sec. 5-6-7-8 marked s-matches on S. & E. edges raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. A cedar 10 ins. in diameter bears N. 10° W. 21 lbs. dist. marked T. 6 S. R. 6 W. S. 67 B. T. A cedar 18 ins. in diameter bears S. 60° W. 43 lbs. dist. marked T. 6 S. R. 6 W. S. 77 B. T. Land broken and rolling Soil gravelly 2" + 3" rate. Timber scattering cedar Mountainous land or land covered with dense undergrowth 80.00 chs.
40.00 94.96	C. on random line bet. sec. 5 + 8. Set temp 1/4 sec. cor. Intersect N. + S. line 1.45 chs. N. of cor. of sec. 4-5-8 + 9. Set a limestone 18x8x8 ins. 10 ins. in the ground for closing cor. of sec. 5 + 8. marked C.C. on W. face s-grooves on S. and E. faces. raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. & destroy all marks on old corner. pertaining to sec. 5 + 8 Pits impracticable Thence down W. on line line between sec. 5 + 8. Over rolling broken ground. through dense sagebrush undergrowth.
8.76	Enter scattering cedars bears N. + S.
14.08 20.08 34.73	Ravine drains S. 45° E. Set a quartzite stone 18x8x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face. raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.

Subdivisions of T. 6 S. R. 16 W.

Chains	Pits impracticable A cedar 18 ins. in diameter bears N. 63 lbs. dist marked 1/4 S. 8°-T3. J.
	A cedar 10 ins. in diameter bears S. 45° W. 1.00 ch. dist marked 1/4 S. 8°-T3. J.
35.61	Leave cedar timber & enter sage - brush undergrowth bears N. 45° S.
53.46	Top of ridge bears N. 45° W. & S. 45° E.
53.76	Descend
74.76	The cor. of secs. 5-6-7+8. Land rolling and broken Soil. 2" + 3" rate gravelly Timber scattering cedar Mountainous land or land covered with dense undergrowth 74.76 chs.
	S. 89°. 53' W. on random line between secs. 6+7.
40.00	Set temp. 1/4 sec. cor.
96.20	Intersect W. bdy. of Tp. 16 lbs. S. of cor. of secs. 6+7 heretofore described. Thence S. run E. on tree line between secs. 6+7. Over rolling hilly ground through dense sagebrush
6.20	Ridge bears N. 20° E. + S. 20° W.
90.70	Road bears N. 65° E. + S. 65° W.
27.20	Top of round hill.
36.20	Set quartzite stone 15x10x8 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
60. 63	Road bears N. 55° E. + S. 55° W.
72.20	Left. fork of Service Berry Canyon drains N. 45° E.
73.82	Hollow drains N. 45° W.
76.20	The cor. of secs. 5-6-7+8. Land mountainous Soil 2" rate gravelly. No timber Mountainous land or land covered with dense undergrowth 76.20 chs.

Subdivisions of T. 6 S. R. 6 W.

- Chambers N. of W. between sec. 5 & 6
Over rolling and mountainous land
through dense sagebrush undergrowth
- 10.55 Left fork of Service Berry Canyon drains
N. 45° E.
Road bears N. 45° E. + S. 45° W.
- 20.00 Canyon drains E.
- 26.00 Ridge bears E. + W.
- 39.00 Right fork of Service Berry Canyon
drains S. 38° E. and County Road bears
S. 38° E. + N. 58° W. and begin steep
ascent of S. face of mountain
- 40.00 Set a limestone 15 x 8 x 6 ins. 10 ins. in
the ground for 1/4 sec. cor. marked
1/4 in. W. face raised around of
stone 2 ft. base 1/2 ft. high W. of cor.
Pits impracticable
- 50.00 Cut cedar timber bears E. + W. and
continue over series of small hollows
and ridges.
- 77.13 Standard parallel S. 5.6.3 ch.
C. of Standard cor. of secs. 81 + 89
Set a limestone 18 x 10 x 8 ins. 19 ins. in
the ground for closing cor. to sec. 5.4.6
marked C.C. on S. face 1 groove on W.
and 5 grooves on E. faces raised
around of stone 2 ft. base 1/2 ft. high
S. of cor.
Pits impracticable
- Cedars 12 ins. in diameter bears S. 85° W.
25 lbs. dist. marked T. 6 S. R. 6 W. S. 6.7 B. J.
- Cedars 18 ins. in diameter bears S. 75° E. 29 lbs
dist. marked T. 6 S. R. 6 W. S. 6.7 B. J.
- Land rolling and mountainous
Soil stony 3" hate
Timber scattering cedar
Mountainous land or land covered
with dense undergrowth 75-100 chs.

Subdivisions of T. 6 S. R. 6 W.

- Chas. Finding that my corners do not close within limits I proceed as follows to locate the error.
- From the 1/4 sec. cor. bet. secs. 4+9 heretofore described.
- Thence S. run N. on retracement line.
- 39.40 Intercept the old corner of secs. 4+9 heretofore described.
- From cor. of secs. 4+9 above mentioned Thence S. run N. on retracement line bet. secs. 4+9 Found no trace of old 1/4 sec. cor. set up cor.
- 79.10 Intercept 1" Standard parallel S. at the old cor. of secs. 4-5-32+33 which is a pine stake very much decayed. This street is a mound of stone & along side of same set a limestone 15x8x6 ins. 10 ins. in the ground marked 4 notches on E. & 2 notches on W. edges. and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
- Thence S. run S. on true line Over rolling ground through dense sagebrush undergrowth
- 39.30 The proportionate distance to old measurement set a limestone 15x8x6 ins. 10 ins. in the ground for re-established 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
- Pts impracticable.
- 47.00 Mouth of Serviceberry Canyon drain E. and County road bears E. & W.
- 79.10 The cor. of secs. 4+9.
- Land rolling Soil gravel clay and loam Land covered with dense undergrowth 79.10 chs.

June 17 - 1899.

Subdivisions of T. 6 S. R. 6 W.

Chain	Finding that I do not close within limits on sec. 34 therefore I proceed to retrace the line bet. secs. 34 & 35 as follows From the cor. of secs. 2-3-34 & 35- on S. bay. of Tp. which is a pine stake firmly set in a mound of stone marked and witnessed as described by the Surveyor General. Then I run N. or retracement line bet. secs. 34 & 35.
40.00	After diligent search could find no trace of old $\frac{1}{4}$ sec. cor.
79.90	Intersect E. & W. line 4.98 ch. E. of cor. of secs. 26-27-34 & 35- which is a pine stake marked and witnessed as described by the Surveyor General. The course of the line therefore bet. secs. 34 & 35- is N. $3^{\circ} 34'$ W. while its length is 80.06 chs.

General Description

The portion of this Tp. embraced in this survey is rough and mountainous in the W. & rolling in the East.

It is poorly watered there being but few small springs and streams found thereon along the South and Western portions.

It is all fair grazing land and is supplied with a medium quantity of Aspen, Pine and cedar timber.

Gold ore is plentiful in the North Western part, but not sufficiently developed to be returned as mineral land.

There is no evidence of any land claims on this Tp.

The desert entries of S. J. Stockey
J. Stockey and L. S. Stockey numbered
1291 - 1292 and 3037 respectively
all seem to have been abandoned
years ago.

Alonzo J. Stockey
U.S. Deputy Surveyor

June 10, 1899

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all

those parts or portions of the _____

of the _____

meridian, _____ of _____

, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____

day of _____, 189_____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from United States Surveyor General for _____, bearing date of the day of _____, 180_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ of the meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

J.W.K.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me
this _____ day of _____, 180_____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 30, 1893, 1893
The foregoing field notes of the survey of *The Subdivisional lines of*
Township 6 South Range 6 West of the Salt Lake Base
& Meridian, Salt Lake City

executed by *Alonzo J. Stockey*
under his contract No. *216*, dated *July 1st, 1897*, 1897, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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FIELD NOTES

OF THE SURVEY OF THE

*Subdivisions**of**Township 6 South of Range 7 West**of the Salt Lake Base and Meridian,
State of Utah*

AS SURVEYED BY

Alonzo Strokey, United States Deputy Surveyor,
Under his Contract No. 2160, dated Oct 29, 1897

Survey commenced June 19, 1897

Survey completed June 20, 1897

6-151

ff 14-77-19¹9-34¹

Rebalance line 4.00.43

NAMES AND DUTIES OF ASSISTANTS

Hyacin Willward

B. Hammann

Richard Orr

G. J. Stoeby

Moundman

Roger Willward

Axman

Roger Willward

Flagman

To preliminary affidavits see book B pp 75 P 607

6-161

Volume

#

R0295

BOOK A-295

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Meanders Page.....

DUKE R. 233

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____ do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman

, Chainman

Subscribed and sworn to before me this _____

day of _____, 189 }



We, _____ and _____ do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman

, Moundman

Subscribed and sworn to before me this _____

day of _____, 189 }



We, _____ and _____ do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman

, Axman

Subscribed and sworn to before me this _____

day of _____, 189 }



I, _____ do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman

Subscribed and sworn to before me this _____

day of _____, 189 }



Subdivision of T. 16 S. R. 7 W.

Chains Survey commenced June 19-1899
and executed with a W. & E. Gunley
Light Mountain Transit for description
of which see Book "A".

From the cor. of sec. 35 & 36. on the S. bdy.
of the Tp. heretofore described.

Thence S. 36° E.

N. 0° W. bet. sec. 35 & 36.

Over broken hilly land.

Through dense sagebrush and bastard
mahogany undergrowth.

14.75' Bottom of hollow drain N. 0° W.

15.65' Small ridge bears N. 45° W. & S. 45° E.

19.20' Bottom of hollow drain N. 60° W.

28.25' Top of ridge bears E. & W.

33.21' Bottom of hollow, drain N. 0° W.

39.60' Top of ridge bears E. & W.

40.00' Set at limestone 18 x 10 x 6 ins. 12 ins.
in the ground for 1/4 sec. cor. marked
1/4 on W. face, raised a mound of
stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable.

A cedar 8 ins. in diam. bears N. 80°

E. 1.27 ch. dist. marked 1/4 S. 36° B. J.

A cedar 2 ins. in diam. bears N. 13° E.

1.00 ch. dist. marked 1/4 S. 36° B. J.

Beginning steep descent & continue

44.90' Enter cedar timber bears E. & W. and
leave dense undergrowth.

50.10' Slater creek 2 lbs. wide drain N.
65° W. Spring S. 80° E. 28 ch. dist.

65.00' Top of ridge bears E. & W.

70.70' Bottom of hollow drain N. 0° W.

72.50' Top of ridge, bears N. 65° W. & S. 65° E.

80.00' Set at quartzite stone 18 x 10 x 8 ins.

12 ins. in the ground for cor. of sec.
25, 26, 35 & 36, unmarked. I noted on
S. & E. edges, raised a mound of
stone 2 ft. base 1 1/2 ft. high W. of cor.

Sridivision of T. 6 S. R. 7 W.

chains	Pits impracticable
	Cedars 34 ins. in diam. bears N. 5° E. 35 lbs. dist. marked T. 6 S. R. 7 W. S. 26 B. J.
	Cedars 12 ins. in diam. bears N. 15° E. 24 lbs. dist. marked T. 6 S. R. 7 W. S. 25 B. J.
	Cedars 18 ins. in diam. bears S. 14° E. 57 lbs. dist. marked T. 6 S. R. 7 W. S. 26 B. J.
	Cedars 12 ins. in diam. bears N. 14° E. 30 lbs. dist. marked T. 6 S. R. 7 W. S. 26 B. J.
	Sand rolling and broken
	Soil, stony & brittle
	Timber, cedar
	Heavily timbered land or land covered with dense undergrowth
	80.00 chs.

	On random line bet. sec. 25 & 36
40.00	Sed. temp. 1/4 sec. cov.
79.86	Divided E. by 1/4 sec. at the top of sec. 25 & 36 therefore described herein. Divided
	W. on true line bet. sec. 25 & 36
	Over mountainous & hilly land
	Down W. face of mountain through dense sage brush undergrowth
6.00	Ridge bears N. 45° W. & S. 45° E.
13.68	Bottom of hollow, draws. N. 45° W. ent. maple undergrowth. bears N. & S.
15.00	Leave maple undergrowth. bears N. & S.
30.60	Top of ridge. bears N. 40° W. & S. 40° E.
33.80	Enter cedar timber bears N. W. & S. E.
39.93	Sed. a limestone. 15 X 10 X 8 ins. 10 ins. in the ground for 1/4 sec. cov. marked 1/4 on W. face, raised as around of stones 2 ft. base 1/2 ft. high. In of cov. Pits impracticable

Subdivision of T. 6 S. R. 7 W.

Chain	A cedar 12" in diam. bears S. 80° W. 3.0 lbs. dist. marked $\frac{1}{4}$ S. 36° 73. J.
	Cedar 14 ins. in diam. bears N. 75° W.
42.00	4 lbs. dist. marked $\frac{1}{4}$ S. 25° 73. J.
53.00	Hollow drain $\text{N. } 40^{\circ} \text{ W}$. Begin steep descent from ridge bears N. 45° W. & S. 45° E.
66.00	Bottom of hollow drain N. 70° W.
79.86	The cor. of sec. 25, 26, 35 + 36. Land mountainous and hilly Soil 2" + 3" rate 1 Timber, cedar Land heavily timbered or covered with dense undergrowth 79.86 chs.
	N. on random line bet. sec. 26 + 35. Set. temp. $\frac{1}{4}$ sec. cor.
40.00	Intersect the N. + S. line 4.9 lbs. N. of the cor. of sec. 26, 27, 34 + 35. which is a limestone 6 x 16 x 7 ins. above ground marked and witnessed as described by the Surveyor General. Thereby drawn
89.83	N. $89^{\circ} 41'$ E. on true line bet. sec. 26 + 35 - Over rolling hilly land Through dense sagebrush + bastard arbohogany undergrowth
14.83	Ridge bears S. 45° W. + N. 45° E.
22.83	Foot of gradual descent.
29.30	Bottom of hollow drain S. 45° W. and ascend
49.83	Set a limestone 18 x 12 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable
61.83	Top of arroyo bears N. 45° W. + S. 45° E.
	Bottom of hollow drain N. 45° W.
75.00	Leave dense undergrowth and enter heavy cedar timber bears N. + S.
75.83	

Subdivision of T. 6 S. R. 7 W.

chain - 89.83	The cor. of secs. 25, 26, 35 & 36 Land rolling and hilly. Soil, gravelly, 3" mat. Timber, cedar. Land covered with dense under- growth; or heavily timbered land 89.83 chs.
	N. 0° 1' W. bet. secs. 25 & 26. Over mountainous land covered with cedar timber and dense sage brush undergrowth. Descend over ledges.
2.50	Bottom of hollow drain N. 7° 0' W. and ascend.
11.90	Top of cedar ridge bears N. 70° W. and S. 70° E.
18.71	Follow drain E. 1° W.
33.50	Ridge bears E. 4° W.
39.50	Leave cedar timber bears E. 4° W. and continue through dense undergrowth
40.00	Set a limestone 16 x 8 x 6 ins. 11 ins. ins. in the ground. for 1/4 sec. cor. marked 1/4 W. face raised a round of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
	A cedar 14 ins. in diam. bears S. 10° W. 51 ins. dist. marked 1/4 S. 26 B. J.
	A cedar 14 ins. in diam. bears N. 63° W. dist. marked 1/4 S. 26 B. J.
41.00	Bottom of steep descent.
44.30	Bottom of hollow drain N. 65° W.
56.00	Top of ridge bears N. 70° W. & S. 70° E.
57.80	Bottom of hollow drain N. 75° W.
61.50	Bottom of hollow drain W.
62.95	Wood road bears E. 4° W.
63.70	Begin steep ascent.
80.00	Set a limestone 18 x 12 x 8 ins. 12 ins. in the ground for cor. to sec. 23 & 24, 25 & 26.

Subdivision of T. 6 S. R. 4 W.

Chains	marked with 2 notches on the S. and 1 notch on the E. edges raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
Pits	impracticable
	A bastard mahogany tree in diam. bears N. 50° E. 12 lbs. dist. marked T. 6 S. R. 4 W. S. 24 T3. J.
	No other trees within limits.
	Land mountainous and broken
	Soil, stony 3" note.
	Timber, cedar
	Mountainous land 40.00 chrs.

40.00	E. on random line bet. sec. 24 + 25 - Set temp. 1/4 sec. cor.
80.00	Interval E. bay of T. 5 sec. 24 + 25 - before described. Thinned & overgrown
	W. on tree line bet. sec. 24 + 25 -
	Over rough mountainous land
	Through scattering cedar timber and
8.00	denuded sagebrush in undergrowth small drains 1/4 sec. cor.
16.27	Began steep descent from ridge bears N. 70° E. 48/106.
33.00	Foot of steep descent.
40.00	Set at limestone 16 X 4 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable
	A cedar 30 ins. in diam. bears N. 35° W. 1.56 ch. dist. marked 1/4 S. 24
	T3. J.
	A boxelder 7 ins. in diam. bears N. 45° E. 1.26 ch. dist. marked 1/4 S. 24 T3. J.
55.00	Bottom of hollow drain S. 68° W.
60.00	Bottom of hollow drain S.
61.00	Began steep ascent
78.20	Top of ascent ridge bears N. 70° + S.
80.00	The cor. of secs 23, 24, 25 + 26

Subdivision of T. 6 S. R. 4 W.

	chains	<p>Land mountainous and rough Soil, stony 3" rate. Timber scattering cedar Mountainous land \$0.00 ac.</p>
		<p>S. 49° 41' W. on random line bet. sec. 23 & 26.</p>
40.00		<p>Set strip 1/4 sec. cor.</p>
85.63		<p>Intersect the N. & S. line 1/4 th. S. of cor. of sec. 22, 23, 26 & 27 which is a limestone 6 x 10 x 6 ins. above ground, marked and witnessed as described by the Surveyor General.</p>
		<p>Hence down E. on true line bet. sec. 23 & 26.</p>
		<p>Over broken mountainous land Through scattering cedar timber and dense sagebrush undergrowth.</p>
28.63		<p>Bottom of hollow drain N. 60° W.</p>
42.63		<p>Foot of steep ascent.</p>
43.63		<p>Set a limestone 18 x 12 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.</p>
		<p>Pits impracticable.</p>
63.83		<p>Top of ridge bears S. 45° W. & N. 45° E.</p>
70.63		<p>Bottom of small hollow drain S. 45° W.</p>
76.63		<p>Begin steep ascent.</p>
85.63		<p>The cor. of sec. 23, 24, 25 & 26. Land broken and mountainous Soil, stony 3" rate Timber, few scattering cedar Mountainous land \$5 - 6.3 ac.</p>

Subdivision of T. 16 S. R. 7 W.

Chains:	N. 5° 11' W. on tree line bet. sec. 23 & 24.
	Over broken mountainous land covered with scattering cedar timber and dense sagebrush undergrowth.
11.40	Top of small mountain 350 ft above bench land bears N. 6.5° W. 7 N. 6.5° E. + descend.
19.70	Bottom of small hollow drains N. 45° W.
36.00	Top of small mountain same as last named 350 ft. high bears N. 45° W. + S. 45° E. and descend.
40.00	Set a limestone 15 X 6 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. It's impracticable.
	Cedar 12". in chain. bears E. 31 lbs. dist. marked 1/4 S. 24° W. J.
	Cedar 24". in chain. bears N. 85° W. 52 lbs. dist. marked 1/4 S. 33° W. J.
77.70	Bottom of hollow drains N. 38° W.
80.00	Set a limestone 18 X 10 X 7 ins. 12 ins. in the ground for cor. of sec. 13, 14, 23 & 24 marked 3 notches on the S. and 1 notch on E. edge, raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. It's impracticable.
	Sands and gravelly soil Soil, stony 3" rate Timber, scattering cedars. Mountainous land 90. 00 chs.

	E. on random line bet. sec. 13 & 24
40.00	Set temp 1/4 sec. cor.
70.02	Different E. by 1/4 sec. 13 & 24 before described J. Henry. J. 24
	W. on tree line bet. sec. 13 & 24

Subdivision of T. 6 S. R. 7 W.

	Chains	Over broken mountainous land through cedar timber and dense sage brush undergrowth.
9.50		Down steep W. face of mountain.
		Foot of steep descent and bottom of hollow drains N. 50° W.
20.00		Point of small ridge, bears N. 50° W. and S. 50° E.
39.00		Leaves cedar timber bears N. 45° S.
40.01		Stationary limestone 50 x 40 x 12 ins. above ground. Cut as (X) at the corner for 1/4 sec. cor. marked 1/4 on N. side supposed as a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
		Pile impracticable.
50.00		Cedar 2 ft. in diam. bears N. 60° E. 1.10 ch. dist. marked 1/4 S. 13° E. T.
51.00		Cedar 1 ft. in diam. bears S. 1.00 dist. marked 1/4 S. 24° E. T.
56.00		Continue down steep descent. Rainy drain S. 60° W. Top of point of low ridge bears S. 40° W. and
- 80.02		Foot of steep descent, continue down gentle descent through dense sage brush undergrowth.
		The cor. of secs. 13, 14, 23 & 24, land mountainous soil, stony 3" rate. Timber, cedar.
		Mountainous land or land covered with dense sagebrush undergrowth 80.02 chs.

W. on random line bet. secs. 14 & 23.
 47.52, The 1/4 sec. cor. bet. secs. 14 & 23 which is a limestone 7 x 10 x 6 ins. above ground marked and intended as described by the Surveyor General.
 Thence 3 rods
 E. on true line bet. secs. 14 & 23.
 Over broken mountainous land through dense sagebrush undergrowth

Subdivision of T. 4 S. R. 7 W.

Chains 17.34	Up crest of ridge
26.04	Top of ridge bears N. 45° W. + S. 45° E.
32.34	Bottom of hollow drains N. 45° W.
33.34	Top of point of low ridge, bears N. 40° W. and S. 40° E. and descend
41.04	Bottom of hollow draining N. 35° W. and ascend
43.79	Top of N. spur of small mountain
47.34	300 ft. high bears N. 25° W. + S. 25° E. and descend
	Foot of steep descent bears N. + S.
	The cor. of secs. 13, 14, 23 + 24
	Barren mountainous
	Soil, stony 3" rate
	Timber scattering cedar
	Mountainous land 47.34 chs.

N. $0^{\circ} 1'$ W. on true line bet. secs. 13 + 14
Over undulating ground sloping
slightly to the W.
Through dense sagebrush under-
growth.

5.70 Wood, road, bears N. 45° W. + S. 45° E.

10.00 Wash, drains N. 45° W.

29.00 Enter limestone boulders bear E. + W.

32.80 Wash drains N. also leave boulders
bear E. + W.

34.23 Parks fence bears E. + W.

40.00 Set a. limestone 13 X 10 X 6 ins. 10 ins. in
the ground for $\frac{1}{4}$ sec. cor. unmarked
 $\frac{1}{4}$ low W. face raised w. mound of
stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor.
It's impracticable

A cedar 16 ins. in diam. bears N. 70° E.

82 lks. dist. unmarked $\frac{1}{4}$ S. 13 P. J.

A cedar 14 ins. in diam. bears N. 5° E.

107 chs. dist. unmarked $\frac{1}{4}$ S. 13 P. J.

Continue along foot of mountain

Surveyor's of T. 6 S. R. 7 W.

Chains 52.30	Small hollow on narrow draws W.
46.00	Point of small ridge bears E. & W.
63.30	Bottom of hollow draws W.
69.00	Point of ridge bears E. & W.
71.40	Bottom of small hollow draws W.
77.00	Point of ridge bears E. & W.
80.00	Set at limestone 18 x 10 x 8 ins. 12 ins. in the ground for cor. of sec. 11-12-13 & 14. marked 4 notches on the S. & 1 notch on the E. edge. I raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. It's impractical.
	A cedar 2 1/2 ins. diam. bears S. 5° W.
	1.00 ch. dist. marked T. 6 S. R. 7 W. S. 14 T. 7.
	A cedar 18 ins. in diam. bears S. 55° E.
	9 1/2 lbs. dist. marked T. 6 S. R. 7 W. S. 13 T. 7
	A cedar 2 1/2 ins. diam. bears N. 65° E. 10 lbs. dist. marked T. 6 S. R. 7 W. S. 12 T. 7
	No other trees within limits. Land rolling and mountainous. Soil, stony 3' slate. Timber, scattering cedar Land covered with dense undergrowth or mountainous land \$0.00 chs.
	E. on random line bet. recr. 12 & 13
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect E. bdy of T. 6 line 20 lbs. W. of cor. of sec. 12 & 13.
	Thinned timber.
	W. 89° 51' W. on true line bet. sec. 12 and 13.
	Over rough, mountainous land, through cedar timber.
	Down, steep descent.
3.00	Leave cedar timber bears N. & S.
10.23	Enter cedar timber bears N. & S.
10.90	Bottom of steep descent and hollow draws S. 20° W.

Subdivision of T. 6 S. R. 7 W.

chains	
16.50	Ridge bears N. & S.
26.25	Bottom of hollow draws S.
29.00	Top of ridge bears N. & S..
33.32	Bottom of hollow draws S. and begin steep ascent.
40.00	Set at limestone 18x10x8 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; raised a mound of stone 2 ft. base $\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
49.20	Top of rocky ridge or mountain 400 ft. above bench land 60 chrs. W. bears N. 15° E. & S. 15° W. and begin steep rough descent of W. face of mountain.
50.00	The cor. of secs. 11, 12, 13 + 14. Land mountainous Soil, stony & rough 4" rate. Timber, cedar. Mountainous land \$0.00 chs.

June 19, 1899.

47.20	W. on random line bet. sec. 11 + 14.
47.20	The $\frac{1}{4}$ sec. cor. bet. sec. 11 + 14, which is a limestone 6x8x6 ins. above ground marked and witnessed as described by the Surveyor General Thence S. 45° E. C. on tree line bet. sec. 11 + 14.
2.20	Over undulating ground through scattering cedar timber and dense sagebrush undergrowth.
39.20	Parks fence bears N. & S. Foot of mountain, ^{bare land} begins steep ascent to cor.
47.20	The cor. of sec. 11, 12, 13 + 14. Land undulating & broken. Soil, gravel 3" rate. Timber, scattering cedar. Land covered with dense undergrowth on mountainous land 47.20 chs.

Subdivision of T. 6 S. R. 7 W.

Chains	No. 11 tree line bet. secs. 11 & 12. Over rough mountainous land along W. foot of mountain. Through scattering cedar timber.
0.90	Bottom of ravine or hollow drains W.
3.50	Top of ridge bears E. + W.
18.44	Bottom of hollow drains N. 75° W.
28.25	Top of ridge bears N. 75° W. 45. 75° E.
31.65	Bottom of hollow drains N. 70° W.
37.50	Top of ridge bears N. 70° W. 45. 70° E.
40.00	Set a limestone 15 x 10 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
	A cedar 7 ins. in diam. bears S. 50° E. 10 lbs. dist. marked 1/4 S. 12° W. 3.
	A cedar 8 ins. in diam. bears N. 75° E. 47 lbs. dist. marked 1/4 S. 12° W. 3.
47.75	Point of ridge bears N. 65° W. and S. 65° E.
51.00	Bottom of hollow drains N. 65° W.
56.00	Top of ridge bears N. 60° W. and S. 60° E.
59.42	Bottom of hollow drains N. 75° W.
65.00	Top of ridge bears N. 75° W. 45. 75° E.
79.80	Parker fence, bears E. + W.
80.00	Set a limestone 15 x 10 x 8 ins. 10 ins. in the ground for cor. of secs. 1, 2, 11 & 12. marked 5 notches on the S. and 1 notch on the E. edge. raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Land mountainous.
	Soil, very rough & stony 4" rate
	Timber scattering cedars.
	Mountainous land \$0.00 chs.

Subdivision of T. 6 S. R. 7 W.

Chains	S. $89^{\circ} 51'$ E. on random line bet. secs. 1 and 12.
40.00	Set stamp $\frac{1}{4}$ sec. cor.
80.00	Entered E. bdg. of Tp. at the cor. of secs. 1 & 12, before described Thence S. down
	N. $89^{\circ} 51'$ W. on N. divide line bet. secs. 1 & 12
	Over mountainous land Through dense sagebrush undergrowth up E. face of mountain
15.00	Enter cedar timber bears N. & S.
20.00	Leave " " " " "
25.00	Enter " " " " "
28.40	Leave " " " " "
30.25	Small ridge bears N. and S.
36.53	Top of mountain bears N. & S.
	500 ft. high divide between Rush Valley and Skull Valley.
38.00	Begins steep descent of W. face of mountain, over series of limestone ledges.
40.00	Set at limestone $24 \times 8 \times 7$ ins. 18 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; raised a around of stone 2 ft; base $\frac{1}{2}$ ft. high N. of cor.
	Pit impracticable
	A cedar 12", in diam. bears N. 85° E. 55 lbs. dist. marked $\frac{1}{4}$ S. 17 $\frac{1}{2}$ S. J.
	A cedar 10 ins. in diam. bears S. 50° E. 50 lbs. dist. marked $\frac{1}{4}$ S. 12 $\frac{1}{2}$ S. J.
47.44	Bottom of hollow, drains N. 75° W. and ascend.
58.44	Top of ridge bears N. 75° W. 4 S. 75° E. and descends over rocky point.
77.74	Parks fence same as marked in last mile N. bears S. 88° W. 4 N. 88° E.
80.00	The cor. of secs. 1, 2, 11 and 12.
	Barren mountainous and rough.
	Soil, stony 4" rate
	Timber, cedar.
	Mountainous land \$0.00 chs.

Subdivision of T. 6 S. R. 7 W.

chains 47.41	W. on random line belt. sec. 9 & 11. Intersect N. & S. lines 25 & 26 N. of $\frac{1}{4}$ sec. cor. belt. secs. 9 & 11. which is a limestone 6 x 6 x 6 ins. above ground marked and intressed as described by the Surveyor General
	Thence down N. $89^{\circ} 42' E.$ on true line belt. sec. 9 & 11 Over undulating ground cut by washes. Through scattering cedar timber and dense sagebrush undergrowth
11.60	Parks fence, bears S. $88^{\circ} W.$ & W. $88^{\circ} E.$.
33.60	Foot of mountain and begins steep ascent of rocky ridge bears E. and W.
47.41	The cor. of secs. 1, 2, 11 and 12. Land mountainous. Soil, gravelly 3" rate Timber scattering cedars Land covered with dense sage brush undergrowth or mountainous land 47 41 chs.
	N. $01' W.$ on true line belt. sec. 14 & 2.
40.00	Set temp $\frac{1}{4}$ sec. cor.
79.70	Intersect North Boundary of Spt. 9. 34 chs. E. of the cor. of secs. 25 & 36 in T. 6 S. R. 7 W. which is a blue limestone 8 x 8 x 8 ins. above ground marked and intressed as described by the Surveyor General. Set a limestone $30 \times 12 \times 10$ ins. ^{of sec. 14} around of stone for closing cor., marked C.C. on S. face, 1 groove on the E. & 2 grooves on the W. face. raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high S. of cor. Site impracticable
	A cedar 12" in diam. bears S. $30^{\circ} E.$
	1.25 chs. dist. marked T. 6 S. R. 7 W. S. 1 T. 7 J.

Subdivision of T. 6 S. 7 R. 7 W.

Chains	A cedar 12 ins. in diameter bears S. 18° W 1.60 ch. dist. marked T. 6 S. 7 R. 7 W. S. 2 B. J.
	Themed Draw S. 0° 01' E. on steel line bet. sec. 1 & 2
	Over rough mountainous land through scattering cedar timber.
0.70	Bottom of hollow draws W. Continue of series of small ridges bearing E. 4° W. with small hollows or ravines between them draining W.
10.00	Point of ridge bears E. 4° W.
19.00	Hollow draws W.
30.00	Point of rocky ridge bears E. 4° W.
36.00	Hollow drains N. 45° W. and ascend.
39.70	Set a limestone 15 x 10 x 8 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised as mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
45.00	Ridge bears N. 5-8° W. & S. 5-8° E.
53.00	Ravine drains N. 60° W.
60.00	Ridge bears E. 4° W.
73.00	Hollow drains N. 45° W.
79.70	The cor. of sec. 1-2-11 & 12. Land mountainous and rough Soil very stony 3" rate Timber scattering cedars Mountainous land 79.70 chs.

Retracement
Subdivision of T. 6 S. R. 7 W.

Chain finding that I do not close within limits on secs. 23 & 24 proceed to locate the error.

From the cor. of secs. 22-23-26 & 27 hereto described.

I found the river.

N. on retrace ment line between secs. 22 & 23

40.00 Intersect E. & W. line 53 ft. E. of 1/4 sec. cor. which is a limestone 6x8x6 ins. above ground marked & witnessed as described by the Surveyor General.

80.00 Intersect E. & W. line 1.76 chs. E. of cor. of secs. 14-13-22 & 23 which is a limestone 6x10x6 ins. above ground marked and witnessed as described by the Surveyor General.

The course of said line is therefore N. 1° 15' W. while its length is 80.12 chs.

From the cor. of secs. 2-3-10 & 11 which is a limestone 6x11x6 ins. above ground marked and witnessed as described by the Surveyor General.

I found the river.

N. on retrace ment line between secs. 24 &

40.00 Intersect E. & W. line 57 ft. E. of 1/4 sec. cor. which is a limestone 6x10x6 ins. above ground marked and witnessed as described by the Surveyor General.

80.20 Intersect 1st Standard Parallel line 5.154 chs. E. of cor. of secs. 2-3 which is a blue limestone 6x12x6 ins. above ground marked & witnessed as described by the Surveyor General. The bearing of said line is therefore N. 1° 06' W. while its length is 80.22 chs.

Subdivisions of T. 6 S. R. 7 W.

Chains From the cor. of secs. 34 & 35 on the
S. bdy. of the Th which is a limestone
6 x 8 x 6 ins. above ground marked
and witnessed as described by
the Surveyor General.
Hence I am
Non retracement line bet. secs.
34 & 35

40.00 Fall 1.63 chs. E. of the $\frac{1}{4}$ sec. cor.
which is a cedar tree 18 ins. in
diameter marked and witnessed
as described by the Surveyor
General.

80.00 Intersect E. $\frac{1}{4}$ W. line 3.36 chs.
E. of the cor. of secs. 26. 27. 34 & 35 which
is a limestone 9 x 16 x 7 ins. above
ground marked and witnessed
as described by the Surveyor
General.
The bearing of said line, therefore,
is N. $2^{\circ} 27' W.$ while its length is
80.06 chs.

From the cor. of secs. 26. 27. 34 & 35, here-
to be described
Hence I am

Non retracement line bet. secs 26 & 27.

40.00 Fall 3.10 chs. N. $\frac{1}{4}$ sec. cor. which is
a limestone 8 x 8 x 7 ins. above ground
marked and witnessed as described
by the Surveyor General.

80.00 Intersect E. $\frac{1}{4}$ W. line 4.30 chs. N. of the
cor. of secs. 22. 23. 26 & 27 which is
a limestone 7 x 10 x 6 ins. above ground
marked and witnessed as
described by the Surveyor General.
The bearing of said line, therefore,
is N. $3^{\circ} E.$ while its length is
80.13 chs.

General Description

The portion of this Twp. embraced in this survey is rough and mountainous on the east and rolling in the western part.

This Twp. is poorly watered, there being but few small springs and streams situated thereon. It is medium grazing land, and affords a fair quality of cedar timber.

Quail are found in abundance in secs. 1, 12 & 13, but not sufficiently developed to be classed as mineral land.

The part of the Twp. surveyed by me contains no settlers.

Mr. Parry's house is located in the old surveyed portion of sec. 11.

Alonzo J. Strober
R.D. Deputy Surveyor

June 30. 1899.

Boundaries of T. 6 S. R. 7 W.

Satitudes Departures and Closing Errors.

Line Designated S. bdy of T. 6 S. R. 7 W.	True Bear	Dist.	Satitudes		Departure	
			N.	S.	E.	W.
" " " " East	166.57				166.57	
" " " " North	479.41	479.41				
" " " " West	80.06				80.06	
Resect 116.12, 234.24. ^{186.44}	80° 0' E.	319.70		319.70	0.09	
" 234.26	West	85.63			85.63	
" 269.24	83° 0' W.	80.13		80.00	4.79	
" 346.35	82° 21' E	80.06		79.99	3.59	
Convergency						10
Totals			449.41	449.29	169.94	169.98
				449.41		169.94
Error in lat.				0.28	Error in dep.	0.04

For general description of
T. 6 S. R. 7 W. see notes on Subdivisions

Alonzo J. Stooker
U. S. Dep. Surveyor.

June 30, 1899.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of showing the respective capacities in which they acted:

M. J. P.
Chairman,

Chairman,

Moundman,

Moundman,

Arman,

Arman,

Flagman,

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

United States Deputy Surveyor, in surveying all

the parts of the

of the

which are represented
in the foregoing field notes as having been run by him and under his directions, and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
respective boundaries established, according to the instructions furnished by the United States Surveyor
M. J. P.

Chairman,

Chairman,

Moundman,

Moundman,

Arman,

Arman,

Flagman,

Subscribed and sworn to before me this

day of *September*, A.D. 1889

M. J. P.
Signature

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from the United States Surveyor General for _____, bearing date of the day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____, surveyed all those parts or portions of _____, which are represented in the foregoing field notes as having been surveyed by me and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

J. N. French *Mr. J. F. S. P. D.*
United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189_____ }


SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

John L. Coffey, Oct. 20, 1903, 189
The foregoing field notes of the survey of _____, the subdivisional lines
of Township 6 South Range 7 West of the Salt
Lake Park Meridian, Utah.

executed by _____, *Alonso J. Strokey*,
under his contract No. *Dir. 6*, dated *October 29*, 189_____, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Edward H. Radde
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-295

FIELD NOTES

OF THE SURVEY OF THE

*West and North Boundary**of the State of South Dakota**of the State of South Dakota Meridian,**Blocks of Miles*

AS SURVEYED BY

*John C. H. Johnson, United States Deputy Surveyor,**Under his Contract No. 1897, dated October 1, 1897.**Survey commenced October 1, 1897.**Survey completed November 1, 1897.*

W. T. B. 6.00.00, 3 M. L.
W. T. B. 271.03
R. T. B. 35.00 L.

NAMES AND DUTIES OF ASSISTANTS.

Hyrum Millward

Chamman

Richard Orr

J. S. Stockey

Mundman

Roger Millward

Ariman

Roger Millward

Flagman

In preliminary affidavits before A. J. S. R. O.

6-161

Volume

#

R0295

BOOK A-295

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20	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this }
day of , 189 }



W. 1/4 sec. 5 S. Tr. 1 W.

Survey commenced June 24 - 1899
and executed with a W. & L. G. Gurley
light mountain transit for description
of which see page 173 book A.

At the standard cor. of T. P. 5 S. Tr.
6 & 7 W. as established by myself I
observe Polaris at eastern elongation
at 1^h 16^m a.m. i.e. m. t. in accordance
with the instructions in the Manual
and mark the line thus determined
by a rock driven in a wooden plug
set in the ground 500 chs. N. of any
station.

June 25 - 1899 at 7:00 a.m. I turn
off the Azimuth of Polaris $1^{\circ} 37'$ to the
W. and mark the True Meridian
thus determined by driving a rock
in a wooden plug, firmly set in
the ground W. of the mark established
last night.

The magnetic bearing of said true
meridian is N. $16^{\circ} 24'$ W. which reduced
by the table on page 100 of the Manual
gives the mean magnetic declination
 $16^{\circ} 18'$ east.

Then we drove

N. on true range line over rolling
country through dense sagebrush
undergrowth

7.00 Prairie drains S. 45^E and begin
ascent

16.50 Top of ascent, divide between Rush
Valley and S. Hull Valley, 1,000 ft.
high. bears E. & W. and begin gentle
descent.

40.00 Set a limestone 1.5 X 10 X 10 ins. 10 ins. in
the ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ cor. W. face raised a round of
stone. 2 ft. base $1\frac{1}{2}$ ft. high. W. of cor.
Pile impracticable

W. bdy. T. 5 S. R. 6 W.

elvins	
40.30	Country road bears E. + W. and begins descent Johnson past bar at 45° about 15.00 ch. dist.
51.00	Enter scattering cedar timber bears E. + W.
61.00	Leave cedar timber
62.00	Top of ascent bears N. 60° E. + S. 60° W. and begins descent
73.20	Bottom of descent or hollow drain S. 60° W. and begins ascent
74.50	Enter scattering cedar timber bears E. + W.
80.00	Sed. limestone 18 x 12 x 10 ins. 12 ins. in the ground for cor. of sec. 25, 30, 31, 4, 36 marked. 5 notches on N. and 1 notch on S. edges. raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
	A cedar 10 ins. in diameter bears S. 2° W. 36 lbs. dist. marked T. 5 S. 72.7 W. S. 36 T. 3.
	A cedar 8 ins. in diameter bears S. 74° E. 36 lbs. dist. marked T. 5 S. R. 4 W. S. 31 T. 3.
	A cedar 10 ins. in diameter bears N. 40° W. 30 lbs. dist. marked T. 5 S. R. 7 W. S. 25 T. 3.
	A cedar 18 ins. in diameter bears S. 45° E. 70 lbs. dist. marked T. 5 S. R. 6 W. S. 31 T. 3.
	Land rolling and mountainous Soil, stony 3:4 ratio
	Timber scattering cedars
	Mountainous land or land covered with dense undergrowth 80.00 ch.

N. on true drainage line between sec.
25 & 30.

Over rugged mountainous land
up gentle descent through scattering
cedar timber

40.00 Sed. limestone 15 x 9 x 6 ins. 10 ins. in
the ground for 1/4 sec. cor. marked
1/4 on W. face raised a mound of stone

W. side. J. 5 S. R. 16 W.

	left base. 1 1/2 ft. high W. of cor. Tire impracticable
	A cedar 12 in. in diameter bears S. 63° W. 24 lbs. dirt. marked 1/4 S. 25° B. J.
	A cedar 10 in. in diameter bears S. 12° E. 8.6 lbs. dirt. marked 1/4 S. 30° B. J.
	This corner is on top of a ridge 13.0 ft. high bearing S. 12° E. + N. 12° W. width 100 ft. Leave top of ridge and go along slope Top of ascent bears E. 4° W. + continue along steep E. face of mountain.
44.00	Begin steep descent bears E. + W.
67.40	Get a limestone 18 x 12 x 14 in. 12 in. in the ground for cor. of rec. 19, 24, 25-4-30. marked 2 mother on S. 4 4 on W. edge raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor.
	Tire impracticable
	A cedar 14 in. in diameter bears S. 23° E. 1.50 ch. dirt. marked J. 5 S. R. 16 W. S. 30° B. J.
	A mahogany 12 in. in diameter bears S. 23° E. 1.50 ch. dirt. marked J. 5 S. R. 7 W. S. 25° B. J.
	Leave mountainous
	Soil 4 th rate, stony
	Timber scattering cedar & mahogany Mountainous land 9.0, 10. ch.
	W. on tree ridge line between rec. 19 & 24.
	Descend over perpendicular ledges 20 ft. high leave cedar and mahogany timber. bears E. + W.
2.8.0	Bottom of ravine drains E.
7.0.0	Ridge bears E. + W.
10.40	Bottom of hollow drains E. + begin steep ascent.
13.6.0	Enter mahogany timber bears E. + W.

W. 5th S. Tr. 6 W.

chain 26.00	Top of ridge 14.00 ft. high bears N. 70° W. and S. 70° E. and begins descent into Vickery Canyon very steep & rough
29.00	Begin series of ledges bears N. 70° W. & S. 70° E.
35.31	East one of series 3.0 ft. high
37.00	Bottom of hollow Vickery Canyon draw S. 70° E.
	Road bears S. 70° E. + N. 70° W.
39.71	Begin steep ascent bears N. 70° W. + S. 70° E.
40.00	Set a limestone 15 x 10 x 5 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stone 2 ft. base. 1 1/2 ft. high W. of cor. Pits impracticable
	A. mahogany 10 ins. in diameter bears N. 30° W. 40 lbs. dist. marked 1/4 S. 24° W. J.
	A. mahogany 10 ins. in diameter bears N. 45° E. 25 lbs. dist. marked 1/4 S. 19° B. J.
	Continue up steep mountain sloping S. W. through scattering mahogany timber.
50.00	Set a limestone 14 x 10 x 6 ins. 12 ins. in the ground for cor. 1/2 sec. 13 + 18.4 19 + 24. marked. 3 notches on W. + S edges, raised a mound of stone 2 ft. base. 1 1/2 ft. high W. of cor. Pits impracticable
	A. mahogany 10 ins. in diameter bears N. 45° W. 1.5 lbs. dist. marked J. 5 S. 7 R. 7 W. S. 13 B. J.
	A. mahogany 12 ins. in diameter bears S. 36° W. 32 lbs. dist. marked. J. 5 S. 7 R. 7 W. S. 24 B. J.
	A. mahogany 12 ins. in diam. bears S. 40° E. 65 lbs. dist. marked. J. 5 S. 7 R. 7 W. S. 19 B. J.
	A. mahogany 8 ins. in diameter bears N. 30° E. 50 lbs. dist. marked. J. 5 S. 7 R. 6 W. S. 18 B. J.
	Le and mountainous

W. Bay. T. 5 S. R. 16 W.

chains	Soil stony 4" rate Timber cedar, mahogany & pine. Mountainous land 8.0.00 chs.
	N. on tree range line between secs. 13 & 18.
	Up steep side of mountain through mahogany timber.
6.00	Top of ridge 1600 ft. high bears S. 45° E. & N. 45° W. and continued along E. face of mountain.
15.50	Top of gentle ascent bears E. + W.
16.50	Cover scattering pine and mahogany timber bears E. & W.
25.00	Bottom of narrow drain E.
31.75	Top of rocky ridge bears E. & W. and descends into woods of pine timber.
40.00	Set at limestone 18 x 10 x 10 ins. 1.2 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. post raised a mound of stone 2 ft. high 1 1/2 ft. high W. of cor. Post imperceptible
	A pine 24 ins. in diam. bears E. 33 like distr. marked 1/4 S. 19° W. J.
	G. pines 18 ins. in diam. distributed S. 9° E. 13 like. dist. marked 1/4 S. 11° W. J.
42.00	Bottom of narrow drain E. + ascend.
44.60	Leaves timber bears E. & W.
49.60	Top of ascent bears E. & W. + descend into woods of heavy pine timber.
55.00	Bottom of hollow drain E. + ascend.
61.00	Top of rocky ridge bears E. & W. and begin steep descent.
65.40	Deep gully 7 1/2 ins. wide drain N. 7 1/2 E. + begin ascent
73.10	Top of ascent bears S. 75° W. N. 75° E. and descend.
80.00	Set at limestone 18 x 9 x 7 ins. 1.2 ins. in the ground on steep side hill sloping N. E. in mound of stone.

W. body J. 5 S. Tr. 6 N.

Chained for cor. of secs. 7, 12, 13 & 18 marked 4
notches on S. & 2 notches on N. edge
raised a mound of stone 2 ft. base
1 1/2 ft. high W. of cor.
Pits impracticable.
A balsam 15 in. in diameter bears N.
10° E. 5-6 lbs. dist. marked J. 5 S.
W. S. 12 T. B. J.
A Pine 10 in. in diameter bears
S. 65° E. 27 lbs. dist. marked J. 5 S.
T. R. 6 W. S. 13 T. B. J.
No other trees within limits.
Land rough and mountainous
Soil 4th rate, stony.
Timber, pine, balsam & mahogany
Mountainous land \$0.00 ch.

- N. on true range line between recs.
7 + 12..
- Over rough mountainous land.
- 1.00 Leave timber bears E. & W.
- 2.36 Deep gully drains N. 65° E. 1 ch. across it.
- 11.65 Point of rocky ridge bears E. & W.
and begin descent.
- 30.70 Bottom of swale. drain E. & begin
ascent.
- 35.30 Top of ascent bears E. & W. & begin
descent.
- 37.30 Enter scattering pine & aspen timber
- 40.00 Set on limestone 15 X 6 X 6 inns. 10 in.
in the ground in bottom of hollow
among aspen timber for 1/4 sec. cor.
marked 1/4 on W. face raised a mound
of stone 2 ft. base 1 1/2 ft. high N. of cor.
Pits impracticable
- An aspen 8 in. in diam. bears
E., 7 lbs. dist. marked 1/4 S. 7 T. B. J.
- An aspen 6 in. in diam. bears
S. 35° W. 3 lbs. dist. marked 1/4 S. 12
T. B. J.
- 41.10 Bottom of swale drain E. leave

W. body T. 3 S. 7 R. 14 W.

- Timber bears E. & W. and begin ascent.
16.9.25 Top of ridge between Big Hollow
and Hickman Canyon 1200 ft. high
bears E. & W.
Pass about 1.5 hrs. E.
5.7.60 Bottom of descent drains E. and ascend.
60.00 Top of ridge bears E. & W. and descend.
80.00 Set a. limestone 18 X 6 X 6 ins. 12 ins.
in the ground for cor. to sec. 1, 6,
7. 7 12. on side hill sloping N. marked
5 notches on S. and 1 notch on N.
edger, raised a mound of stone
2 ft. 1 1/2 ft. high W. of cor.
Pits impracticable
land mountainous and rolling.
Soil stony 2" rock.
Timber pine, balsam, aspen and
mahogany.
Mountainous lands 40.00 chs.

W. on lower ridges line between sec.
1 & 6.

Continue down desert through cherry
and aspen; underground

- 23.75 Bottom of deep hollow, stream 2 lbs. wide
flows E.
Leaved Aspens & Cherry bears E. & W. and
ascend.

- 26.50 Top of ascent bears S. 75° W. & N. 75° E.
and begin gentle descent.

- 36.50 Ravine 1 ch. wide drains N. 75° E.
and ascend.

- 39.50 Top of ascent bears N. 75° E. & S. 75° W.
40.60 Set a. limestone 15 X 8 X 8 ins. 10 ins. in
the ground for 1/4 sec. cor. on side
hill sloping N. marked 1/4 on W.
face raised a mound of stone 2 ft.
bare 1 1/2 ft. high W. of corner.

Pits impracticable.

July 15 S. TR. 100

	An aspen tree in diameter bears N. 15° W. 9 ft. lbs. dirt marked 1/4 S. 17B. T.
	An aspen tree in diameter bears N. 10° W. 1.0 ft. dirt marked 1/4 S. 17B. T.
	Continue down steep descent through dense Aspen and Willow undergrowth.
4.14.0	Leave Aspen & Willow. bears E. & W.
4.2.0.0	Ravine drains N. 7.5° E.
4.4.4.0	Top of ascent bears N. 7.5° E. & S. 7.5° W.
4.7.5.0	Begin steep descent bears N. 7.5° E. & S. 7.5° W.
4.8.2.5	Enter thick Aspen and Willow under- growth. bears E. & W.
5.0.5.0	Bottom of deep ravine drains N. 7.5° E.
5.2.4.0	Leave Aspen and Willow undergrowth
5.7.5.0	Top of ridge bears E. & W. and begins steep descent into hollow.
6.0.5.0	Bottom of hollow drains E. and begins steep ascent.
6.5.0.0	Top of ascent bears E. & W.
7.0.6.5	Ravine drains E. stream 3 mts. wide fringed with Aspen and Cherry.
7.5.0.0	Leave Cherry bears E. & W.
8.0.0.0	Get temp. Townspeople, this was afterwards made permanent. See Survey for July this book for description. Land rolling and broken.
	Soil 1", 2" rock, block, loam and stone.
	Timber Aspen.
	Mountainous land or land covered with dense undergrowth 80.00 lbs.

North Boundary of Twp. 4 S., R. 6 W.

Chain	From the temp. cor. to Twp. 4 + 5 S., R. 6 + 7 W. Thence down E. on random line
39. 15'	Intersect the N. + S. line of Secs. 6 + 31 which is a blue limestone 10x8x6 ins. above ground marked and witnessed as described by the Surveyor General. Thence down S. $29^{\circ} 54' W.$ on tree line between Secs. 6 + 31. Over rolling mountainous land up gentle ascent along side of ridge Limestone ledge on ridge bears N. $45^{\circ} E.$ + S. $45^{\circ} E.$.
28. 25'	Bottom of swale drains S. $45^{\circ} E.$.
32. 50'	Limestone ledge on ridge bears S. $45^{\circ} E.$ & N. $45^{\circ} W.$.
38. 15'	Ravine drains S. $45^{\circ} E.$
39. 15'	The temp. cor. of Twp. 4 + 5 S., R. 6 + 7 W. which is a blue limestone 10x8x6 ins. 12 ins. in the ground for cor. of Twp. 4 + 5 S., R. 6 + 7 W. marked 4 S. with N. E. 6 W. on S. E. 5 S. on S. W. 47 W. on N. W. faces. with 6 notches on rock edge raised as mounds of stone 2 ft. base 1/2 ft. high S. of cor. Pit impracticable Land mountainous Soil, 2" loam loamy and stony No timber Mountainous land 39. 15' chs.

From the stone set 10 chs. E. of the cor. of
secs. 5 - 6 - 31 + 32 which is a blue lime-
stone 10x8x6 ins. above ground
marked and witnessed as described
by the Surveyor General

North Boundary of T. 5 S. R. 6 W.

Chain Thinned Survey

C. on random line along the N. body of T. 5 S. R. 6 W. setting temp. $\frac{1}{4}$ sec. & sec. cor. at intervals of 4.00' count-
ing from the cor. of secs. 5-6 = 314.92
at 22.6.90 chs. intersect the N. & S.
lines .99 lbs. N. of the cor. of sec.
2-3 - 34 + 35 which is a pine stake
very much decayed.

This cor. I re-establish by setting
a limestone 15x6x6 ins. 10 ins. in the
ground along side of stake marked
2 notches on the E. and 4 notches on
the W. edges.

Thinned Survey

N. 79°. 45' W. on true line along N.
body. of T. 5 S. R. 6 W.

Over undulating land through dense
sagebrush undergrowth

35.00 End of old survey

40.00 Set a limestone 15x6x5 ins. 10 ins. in the
ground for $\frac{1}{4}$ sec. cor. on edge of gully
marked $\frac{1}{4}$ on N. face raised a mound
of stone 2 ft. base $1\frac{1}{2}$ ft. high S. of cor. as it
fell in gully to put it on N.

Pits impracticable

40.75 Gully drains N. 80° E.

49.28 Ravine same as above drains S. 80° E.

71.30 Ravine drains N. 75° E.

80.00 Set a limestone 15x10x6 ins. 10 ins. in the ground
for cor. to secs. 3-4 - 38+34 marked 3 notches
on E. & W. edges raised a mound of stone
2 ft. base $1\frac{1}{2}$ ft. high W. of cor.

Pits impracticable

Land undulating and broken

Soil, stone and gravel. 2" rate

No timber

Land covered with dense under-
growth. 4.5.05 chs.

17-35
11

North boundary of T. & S. R. 6 W.

chain	W. 89° 45' W. on true line between sec. 4 + 33.	X
	Over mountainous land, up gentle ascend which gradually becomes steeper.	
13.00	Top of ascent bears N. 55° E. + S. 55° W. and descends.	
29.00	Bottom of hollow drains N. 55° E. and continue up rocky ascent.	
40.00	Get a sandstone 13 X 7 X 3 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impractical	
47.50	Top of ridge or saddle bears N. 60° E. + S. 60° W. + begin steep descent, through very dense undergrowth.	
56.50	Bottom of deep ravine or hollow drains N. 60° E. + ascend steep hill leaving dense undergrowth.	
80.00	Get a sandstone 15 X 8 X 3 ins. 10 ins in the ground for cor. to sec. 4, 5, 32 + 33. on steep side hill sloping S. marked 2 notches on W. and 2 notches on E. edges. raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impractical	
	Soil broken and mountainous Soil 2" + 3" slate stone and gravel. Juniper pine and aspens scattering Mts. land or land covered with dense undergrowth. 80.00 chs.	

W. 89° 45' W. on true line between
sec. 4 + 33.

Over mountainous land up steep
ascend.

10.35 Top of ridge 800 ft. high bears N. 50° E.
+ S. 50° W. 1.50 chs. S. W. of saddle.

Northern boundary T. 5 S. R. 6 W.

chain 14.25	Rocky point bears N. + S.
18.00	Top of rocky point bears N. + S. and descends into ravine.
27.60	Bottom of ravine drains N. and ascends
29.00	Enter scattering pine timber bears N. + S.
30.60	Top of ridge bears N. + S. and begins steep descent.
40.00	Set a sandstone 15 X 6 X 6 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face raised on mound of stone 2 ft. base 1/2 ft. high N. of cor.
	Pits impracticable
	A pine 30 ins. in diameter bears N. + S. W. 1.00 dist. marked 1/4 S. 32° B. J.
	A pine 1/2 ins. in diameter bears S. 1.30 dist. marked 1/4 S. 3° B. J.
40.85	Deep ravine drains N. and begins steep rough ascent, through dense service berry and bastard manzanita undergrowth.
50.00	Leave dense undergrowth bears N. + S.
54.70	Top of ridge bears N. + S. and descends
66.90	The stone. 10.00 chs E. of cor. 10. sec. 5 + 6 + 31 + 32. L and mountainous. Soil 2" rate, clay, loam and gravel. Timber pine W. mountainous land. 66.90 chs.

For general description see notes
on subdivisions this township

Alonzo Stockey
U.S. Deputy Surveyor

June 26. 1899.

Latiitudes, departures, and closing errors.

Line designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
North Boundary	N 89° 45' W	226.90	.99			226.90
" " "	West	50.00				50.00
" " "	S 89° 54' W	39.15		.07		39.15
West	" South	480.00		480.00		
1 st Stat. Rd. S.	East	80.45			80.45	
Bethel-Snow 31432.99130	North	160.00	160.00			
" 20+29	East	80.00			80.00	
" 21+28	N. 89° 45' E	79.92	.35		79.92	
" 22+27	East	78.90			78.90	
" 22+23	N. 0° 37' W	80.00	80.00			.86
" 14+15	N. 0° 24' W	80.00	80.00			.56
" 10+11	N. 0° 28' W	80.00	80.00			.65
" 2+3	N. 0° 26' W	80.11	80.11			.61
Convergency						.60
Error in Lat.			481.45	480.07	319.27	319.33
			480.07			319.27
			1.38	Error in dep.		.06

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

_____, of the _____
meridian, _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189_____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from United States Surveyor General for _____, bearing date of the day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

[Signature] *John F. Murphy* *United States Deputy Surveyor*

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189_____.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, October 30, 1903, 1893
The West North Boundary
of Juab & Smith Range 60' West of the Salt Lake
Base & Precise in, Deptt.

executed by *Alonzo J. Storkay*,
under his contract No. *216*, dated *October 1903*, 189_____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-295

FIELD NOTES

OF THE SURVEY OF THE

*Subdivisions
of
Township 5 South Range 6 West*

*of the Salt Lake Baseline Meridian,
State of Utah*

AS SURVEYED BY

George J. Stockey, United States Deputy Surveyor,

Under his Contract No. 016, dated Oct. 27, 1897

Survey commenced Jan. 24, 1899

Survey completed Jan. 30, 1899

6-151

High 30-06-59^v

Low 22-20-30^v

Dry 3-09^v

Rebalanced 5-00-11

See condition page 24
mtu

NAMES AND DUTIES OF ASSISTANTS.

Harrison Millward

Chairman

Richard Orr

J J Strokey

Mundman

Roger Millward

Kramer

Roger Millward

Flagman

In preliminary affidavits before B.P. 75 P.C.H.

6-161

Volume

#

R0295

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Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

, Chainman.

, Chainman.

Subscribed and sworn to before me this _____
day of _____, 189 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

, Moundman.

, Moundman.

Subscribed and sworn to before me this _____
day of _____, 189 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

, Axman.

, Axman.

Subscribed and sworn to before me this _____
day of _____, 189 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 }



Surveyor of T. & S. R. L. T.

Chains	<p>Survey commenced June 24, 1899. For descriptions of transit etc. see Book A.</p> <p>From the 1/4 sec. cor. of secs. 27 & 28 which is a pine stake marked and witnessed as described by the Surveyor General</p> <p>Thence S. r. r. n.</p> <p>N. 1° 01' W. vert. sec. 27 & 28</p> <p>Over gently rolling land through dense sagebrush undergrowth.</p>
31.00	End of old Survey.
36.50	Ravine drains S. 45° E. and crossing
40.00	Set a limestone 15 x 6 x 6 ins. 10 ins. in the ground for cor. of secs. 21-22-27 & 28 marked 2 notches on S. 3 notches on E. edges raised at round of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Cedar 6 ins. in diameter bears S. 70° E. 50 lbs. dist. marked T. & S. R. 6 W. S. 27 T. S. J. No other trees within limits
	Land rolling.
	Soil gravelly 2" rate
	No timber.
	Land covered with dense undergrowth 40.00 chs.
	S. on random line between secs. 22 & 27.
40.00	Set temp. 1/4 sec. cor.
78.90	Smooched the N. 4 S. line at the cor. of secs. 22-23-26 & 27, which is a pine stake marked and witnessed as described by the Surveyor General.
	Thence S. r. r. n.
	W. on line between secs. 22 & 27
	Over rolling broken land through cedar timber and dense sagebrush undergrowth.
40.00	Set a sandstone 15 x 6 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised at round of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable.
	Cedar 8 ins. in diameter bears N. 53° W. 10 lbs. dist. marked 1/4 S. 22 T. S. J.
	Cedar 7 ins. in diameter bears S. 24° W. 26 lbs. dist. marked 1/4 S. 27 T. S. J.

Subdivisions of T. 8 S. 7 R. 6 W.

35.00	Continue up ascent.
49.40	Top of steep ascent bears S. 45° E. and N. 45° W. and continue up gentle ascent.
61.80	Top of ridge bears S. 45° E. + N. 45° W. and descend
72.90	The cor. of sec. 21-22-27+28. Soil mountainous and broken Soil gravelly 3" rate Timber cedar Mountainous land or land covered with dense undergrowth 78.90 chs.
	N. 8. 01' W. bet. sec. 21 + 22
	Up gentle ascent through cedar timber
12.60	Foot of steep ascent bears S. 45° E. + N. 45° W.
34.70	Top of ascent bears S. 45° E. + N. 45° W. and begin descent.
40.00	Set at round stone 15 X 10 X 6 ins. 10 ins. in the ground for 1/4 sec. cor westwards 1/4 over W. face raised a around of stone 2 ft. base 1/2 ft. high W. of cor.
	Pits impracticable
	A cedar 6 ins. in diameter bears S. 10° E. 53 lbs. dist. marked 1/4 S. 22
	T. 8. J.
	Cedar on 12 ins. in diameter bears S. 60° W. 93 lbs. dist. marked 1/4 S. 21 T. 8. J.
1.3.00	Bottom of descent ravine drains S. 45° E. and entered.
41.16	Top of descent N. bears S. 45° E. + N. 45° W. and entered.
52.00	Bottom of steep descent ravine drains S. 45° E. and begins steep ascent.

Sudbury River Survey

65.60	Top of ancient bear S. 45° E. + N. 45° W. and descend.
39.00	Leave cedar timber bear S. + W.
62.10	Bottom of ancient brown drain S. 45° E. and begin gentle ascent.
65.00	Top of ancient bear S. 45° E. + N. 45° W. and descend into hollow.
76.00	Enter cedar timber bear S. + W.
76.50	Bottom of hollow drain S. 45° E. and begin steep descent.
80.00	Sed. limestone 16' X 5' incl. 10 ins. in the ground. for cor. At sec. 15- 16 = 21422. marked & matched on S. and E. edges, raised as mounds of stone 2 ft. base 1/2 ft. high U. of cor. Pits impractical.
	Cedars 5 ins. in diameter bear W. 79° E. 19 lbs. dist. marked J. S. R. 6. W. S. 15° B. J.
	Cedars 12 ins. in diameter bear S. 45° W. 50 lbs. dist. marked J. S. R. 6. W. S. 21° B. J.
	Leads round stones and broken Soil 3" rock. Stony
	Timber road
	Measurement land \$1.00 per
	P. on random line bet. Secs. 15-4-21.
38.20	Entered W. S. line at 1/4 sec. 21 dist. 13' 21 which is white stake marked and witness and checked by the Surveyor General. Then red line
	W. on line, down, over rolling ground through scattering cedar timber up gradual ascent.
29.20	Top ridge bear S. 45° E. + N. 45° W. and descend.
29.20	Bottom of ravine or hollow drain S. 45° E. and ascend.

Subdivision T. 5 S. 7 R. 6 W.

chain 32.70	Top of ridge bears S. 45° E. & N. 45° W. and descend.
36.20	The cov. of sec. 15, 16, 21 & 22 is land mountainous and broken. Soil 3" rate, gravelly Timber cedar Mountainous land 16.00 ac.
	17.00' W. between secs. 15 & 16 Over mountainous land up steep ascent, through cedar timber.
6.00	Leave cedar timber bears E. & W.
8.00	Top of ridge bears S. 45° E. & N. 45° W. and begin gradual descent.
16.00	Bottom of ravine or hollow drain S. 45° E. and ascend.
23.00	Top of ascent bears S. 45° E. & descend.
29.75	Bottom of hollow drain N. 75° E. and ascend.
37.50	Top of ascent bears E. & W. and descend.
40.00	S. 45° E. and ascend Sel. limestone 15 X 6 X 6 ins. 10 ins. in the ground for 1/4 sec. cov. marked 1/4 on N. face pointed at an angle of stone 2 ft. base 1 1/2 ft. high W. of cov. Pile impractical
40.65	Bottom of descent. ravine drains E. and ascend.
60.00	Top of ascent bears E. & W. and descend.
70.60	Bottom of hollow drain E. and begin very steep ascent.
80.00	S. 45° E. and ascend Sel. limestone 15 X 6 X 6 ins. 10 ins. in the ground for cov. 1/4 sec. 9, 10, 15 & 16 marked 4 notches on S. and 3 notches on E. edges pointed at an angle of stone 2 ft. base 1 1/2 ft. high W. of cov. Pile impractical
	Land mountainous and broken Soil 3" rate stony. Timber scattering cedar Mountainous land 16.00 ac.

Subdivision T. & S. R. 1/2 M.

- Chains C. on random line between sec. 10 & 15.
 40.00 Set stmp $\frac{1}{4}$ " sec. cor. marked
 44.65 Surveyor's line between sec. 10 & 15 which is a pine stick marked furthered
 as described by the Surveyor General.
- The next drain.
- W. on tree line between sec. 10 & 15.
 Over rolling and mountainous land
 through dense sagebrush under
 growth and scattering cedar timber
 21.65 Leave cedar timber bears N. & S.
 and continue through dense sage
 brush undergrowth.
- 31.65 Top of very gentle ascent and begin
 descent into hollow.
- 3.65 Bottom of hollow drains S. & E. and ascend.
- 40.00 Set of sandstone 15 X 8 X 5 ins. 10 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face raised a round of
 stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor.
 Site impracticable.
- 49.65 Follows drain N. 45° E. and ascend.
- 71.65 The cor. of sec. 9, 10, 15 & 16.
 Land rolling and mountainous
 Soil 3" slate gravelly.
 Timber cedar.
 Mountainous land or land covered
 with dense undergrowth. 44.65 ch.
- N. 5° E. between secs. 9 & 10.
 Over mountainous broken land
 up steep ascent.
- 3.75 Top of ridge bears E. & N. 400 ft. high
 and descend.
- 13.45 Bottom of hollow drains S. 70° E. and
 begins steep ascent.
- 35.80 Top of ridge bears E. & N. 700 ft. high
 and descend.
- 40.00 Set of sandstone 15 X 8 X 5 ins. 10 ins.
 in the ground for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on W. face raised a

Subdivisions D, E, S, N, R, SW

	masses of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable
48.00	Bottom of ravine drains E. and ascend
53.00	Top of ascent bears E. & W. and begin granite desert down ridge bearing N. + S.
71.50	Bottom of hollow drains E. & W. and begin steep ascent
80.00	Set at sand stone 15-X 8X6 ins. 10 ins. in the ground for cor. to sec 9, 4, 9 & 10. marked 5 notches on S. and 3 notches on E. edges. raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable
	Soils broken and mountainous
	Soil 3" slate, stony
	Timber few scattering cedars
	Mountainous land \$0.00 ch.
	E. on random line between sec. 3 & 10.
27.00	The 1/4 sec. cor. between sec. 3 & 10 which is the survey line by the Surveyor General
	Thence S. tree.
	W. on tree line between sec. 3 & 10.
	Over rolling grounds through dense rosebrush undergrowth
9.00	Up Little Canyon hollow drains N. & S.
37.00	Thence cor. of sec. 3, 4, 9 & 10. Land rolling and broken Soil 3" slate.
	No timber Spars covered with dense under- growth \$7.00 ch.

Subdivision T. S. R. & W.

- Chains N. 0° 0' W. on road line between
secs. 3 + 4.
- 40.00 Set-amp 1/4 sec cor.
- 80.00 Intersect N. 76° E. of Tp. 3.60 chs. 55933
E. of cor. of secs. 3.3 + 3.4
This being above the allowable
limit of 2' of arc. I set a sand
stone 1.5 X 8 X 6 ins. 10 ins. in the
ground for closing corner of secs.
3 + 4 marked C. C. on S. with 3
grooves on E. & W. faces raised a
amount of stone 2 ft. base 1 1/2 ft.
high S. of cor.
- Pile impracticable
- Then set Drivs.
- S. 0° 0' E. on line between secs.
3 + 4.
- Over broken rolling ridges
through dense sagebrush under
growth.
- 14.30 Bottom of ravine drains S. 80° E. and
ascend.
- 16.60 Top of arid hill bears E. + W. and
descend.
- 22.25 Ravine drains N. 75° E. and ascend.
- 40.00 Set a sandstone 1.5 X 8 X 5 ins. 10 ins.
in the ground on side hill stop-
ping N. E. for 1/4 sec cor. marked
1/4 off W. face raised or amount
of stone 2 ft. base 1 1/2 ft. high W.
of cor.
- Pile impracticable
- 49.00 Top of ridge bears S. 75° E. and N.
75° W.
- 45.30 Bottom of swale drains E.
- 52.00 Top of ridge bears S. 80° E. and N.
80° W. and begin steep descent.
- 58.50 Bottom of hollow right-hand fork
of Welsh Canyon drains S. 80° E. and
ridge bears S. 80° E. and N. 80° W.
- 60.00 Left hand fork of Welsh Canyon
drains E. and ascend.

Sulphurine T & S. Sect 6 SW

Chain	
76.65	Top of ridge bears S. 15° E. and descend
80.00	The cor. of secs 3, 4, 9 + 10 Leanti mountainous Soil 2" + 3" rock, stony No timber Mountainous land 80.00 ch.

June 27, 1899

From the cor. of secs 20, 21, 22, 23 which are established setting a sand stone 15 x 6 x 6 in. 10 in. in the ground marked scratches on S. + N. another on E. edges Then I run Cross random line between secs 21 + 22.
40.00 Set temp 1/4 sec cor.
79.92 Intersect N. + S. line 3 1/2 ft. S. of cor. of secs 21, 22, 27 + 28 Then I run S. 89° 45' W. our true line between secs 21 + 28.
Over rough mountainous land down gentle descent
3.60 Prairie or hollow drains S. 15° E. + 10° S.
12.00 Top of ascent bears S. 15° E. + N. 15° W.
13.25 Prairie drains S.
25.50 Center cedar timber bears N. + S.
25.75 Top of ridge bears S. 45° E. + N. 45° W.
32.90 Bottom of hollow drains S. 45° E.
36.00 Top of ridge bears S. 45° E. + N. 45° W.
39.96 Set a limestone 15 x 8 x 6 in. 10 in. in the ground for 1/4 sec cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
Cedar timber diameter bears S. 75° E. 8 ft. dia. marked 1/4 S. 28° N. E.
A cedar 10 in. in diameter bears N. 10° E. 15 ft. dia. marked 1/4 S. 21° N. E.
43.70 Prairie drains S. 15° E.

Subdivisions T. 5 S. R. 6 W.

Chain	
46.50	Top of ridge bears S. 45° E. & N. 45° W.
47.15	Road bears N. 45° W. & S. 45° E.
49.00	Rainbow drains S. 45° E.
51.00	Ridge bears S. 45° E. & N. 45° W.
53.70	Top of Bluff and begin steep descent
57.00	Leave cedar timber bears N. & S.
58.70	Foot of Bluff bears S. 45° E. and N. 45° W. and cross "Big Hollow"
63.30	Wagon road bears S. 45° E. and N. 45° W.
63.00	Foot of Bluff and begin steep ascent bears N. 45° W. & S. 45° E.
69.00	Top of Bluff
79.92	The cor. of sec. 20, 21, 28 + 29. Land mountainous. Soil 3" slate-stony Timber cedar Mountainous land 79.92 chs.

From the cor. of secs. 20, 21, 28 + 29,
Thence down

N. 1° 09' W. between secs. 20 + 21.

Over rolling and mountainous
land through dense sagebrush
undergrowth.

7.00	Top of Bluff and begin descent into "Big Hollow." bears S. 60° E. & N. 60° W.
9.00	Foot of Bluff

11.50	Deep gully drains S. 60° E. and road bears S. 60° E. & N. 60° W.
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12.50	Foot of Bluff bears S. 60° E. & N. 60° W.
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13.50	Cedar cedar bears E. & W.
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16.00	Top of Bluff and continue ascent
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40.00	Set a limestone 18x10x4 ins. 12 ins. in the ground for 1/4 in cor. marked 1/4 on W face raised a amount of stone 2 ft. base 1/2 ft. high W of cor.
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But impracticable

Subdivisions T + S R 6 W

Chain 44.00	Leave draw S. 45° W and begin with ascent.
63.52	Top of ridge bears S. 45° W. 800 feet high and descend.
74.00	Leave cedar timber bears S. 45° W.
78.53	Bottom of hollow draw S. 28° W and ascend.
80.00	Get a limestone 13' X 8' X 8 ins. 10 lbs in the ground for cor. to see. 16-17-20-4-9-1, on side hill sloping S. E. marked 3 notches on S. and 4 notches on E. edges, raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft high W. of cor. Pile impracticable
	Leads through broken & mountainous Soil. 2" & 3" slate, stony
	Timber cedar
	Mountainous land or land covered with cedar timber or dense under growth 80-100 chrs.
	$\frac{1}{2} \text{ to } \frac{1}{4} \text{ mile}$ N. of section line between secs. 16 & 9-1
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. & S. line 43' N. of cor. of secs. 16-16-21 & 22.
	Thermal Draw
	S. $29^{\circ} 26'$ W. on N-S line between secs. 16 & 9-1.
	Over broken mountainous land through cedar timber
2.00	Leave draw S. 45° E. and ascend
4.00	Leave cedar timber bearing S.
19.00	Top of rocky ridge 800 ft. high bears S. 45° E. and N. 45° W. and descend.
29.70	Bottom of hollow draw S. 45° E. and ascend.
39.00	Top of rocky ridge 900 feet high bears S. 45° E. & N. 45° W. and descend.

Subdivisions T 5 S. R 6 W.

chain 37.60	Bottom of swale or hollow drains S. 45° E. and ascend.
40.00	Silt & sandstone 15' X 8' X 5' ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N face raised a round of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impractical
49.10	Top of rocky ridge 15.00 feet high. Bears S. 25° E. and N. 25° W. and begin steep descent.
59.00	Hollow drains S. 28° W.
80.00	Thick cor. of sec. 16, 17, 20 + 21 Land mountainous and broken. Soil 3" slate, stony. Timber cedar. Mountainous land. 80.00 chs.
	N. 25° W. between sec. 16 + 17. Over mountainous land through dense sagebrush undergrowth up rather steep ascent.
14.00	Top of ascent bears S. 25° E. + N. 25° W. and gently descends into hollow.
20.00	Bottom of hollow drains S. 15° E. and along E. side of hollow.
29.10	Second crossing of hollow drains S. 15° W.
31.00	Third crossing of hollow drains S. 15° E. and begin steep ascent.
40.00	Silt & sandstone 15' X 8' X 5' ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a round of stone 2 ft. base 1 1/2 feet high W. of cor. Pits impractical
59.00	Crater scattering mahogany timber Bears E. + W.
67.10	Top of rocky back bone 16.00 ft. high

Subdivisions T. 5. S. 24. 1/2

Chain bears S. 23° E. and N. 23° W. and descend into swale.

76.20 Section of swale drains N. 28° W. and begin gentle ascent along Bear ridge.

76.46 Set al sandstone 15' X 10' X 6 ins. 10 ins. in the ground for cor. to see.
7, 9, 16 & 17 on bear ridge worked
4 inches on S. and E. edges
raised a mound of stone 2 ft base
1 1/2 ft. high W. of cor.
Pits impracticable
bands mountainous
Sand. 3" & 4" pale, stony.
Timber analogous
Mountainous band. 60.00 sh.

N. 49° 26' E. on random line between
secs. 9 & 16.

40.00 Set temp. 1/4 sec. cor.

70.06 Dr. intersect N. & S. lines 4.3 lbs. N. if
cor. of. secs. 9, 10, 15 & 16.
Three Dr. runs
S. 79°. 44' W. on line between
secs. 9 & 16.
Over broken mountainous band
through cedar timber into hollow

4.00 Leaves timber bears N. & S.

11.70 Ravine in hollow drains S. 65° E.

56.00 Enter cedar timber bears N. & S.

36.00 Top of rocky ridge bears S. 70° E. &
N. 70° W.
Leave timber bears S. 70° E. & N. 70° W.
and descend.

40.03 Set al sandstone 15' X 8' X 5 ins. 10 ins.
in the ground for 1/4 sec. cor.
available 1/4 but 1/6 from ravines covered
in stone. 3 ft. band 1 1/2 ft. high if of cor.
Pits impracticable

Gulfianous T. & S. R. low

chain	
49.00	Ravine drains S. 75° E. and ascend Enter mahogany timber bear N. + S.
57.00	Leave mahogany timber bear N. + S.
77.00	Leave mahogany timber bear N. + S.
79.00	Top of ridge 1600 ft. high bear N. + S. and descend
80.06	Top cor. of sec. S. 9, 16 + 17. Over mountainous Soil 3" slate stone Timber cedar, mahogany and pine Mountainous land 80.06 ch.
	74.0° 02' W. between sec. 8 + 9. Over mountainous land along W. face of base ridge or backbone.
8.50	Top of ridge bear N. 15° W. + S. 15° E. 1600 ft. high and descend
	Enter scattering pine and aspen timber bear N. 15° W. + S. 15° E.
28.00	Bottom of ravine or hollow drain N. 65° E.
31.00	Top of ascent bear N. 65° E. + S. 65° W.
33.00	Bottom of ravine drains N. 65° E. and ascend
34.75	Leave timber bears E. + W.
40.00	Sed. sandstone 18 X 8 X 6 ins. 12 ins. in the ground for 1/4 sec. on rocky side hill marked 1/4 on W. face raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pile impracticable
43.00	Top of ascent bear N. 65° E. + S. 65° W. and descend along side hill
48.00	Bottom of ravine drains E.
60.00	Top of ridge bears E. + W.
73.50	Enter aspen and pine timber bears E. + W.

Subdivision T & S R. 6

Chain	Description
75.00	Bottom of hollow draws E Leave timber bears E. & W. + ascend Set a sandstone 18x8x6 ins. 19 ins in the ground for cor. to rec. 4, 5, 8 + 9 marked 3 notches on S and 4 notches on E edges raised at around of stone & H. base 1 1/2 ft. high W. of cor. Pits impracticable.
	Land mountainous Soil 2" 4.3" slate stony Timber pine and aspen Mountainous land 80.00 chs
79.00	Up 89°. 44' E. on random line between secs. 4 + 9.
80.00	Set temp 1/4 sec. cor.
80.00	Direct N. + S. line 3.8 ins. N. of cor. of secs. 3, 4, 9 & 10. Thick Drift W. on tree line between secs 4 + 9. Over rough mountainous land Up gentle ascent.
81.00	Top of ascent bears N. 75° E. + S. 75° W.
81.00	Bottom of deep draws on hollow draws N. 60° E. + ascend
81.00	Set a sandstone 13x7x6 ins. 10 ins. in the ground for 1/4 sec. cor. between secs. 4 + 9 marked 1/4 on N. face raised a around of stone 3 ft. base 1 1/2 ft. high N. of cor. Pits impracticable Continue up ascent Cor. of secs. 4, 5, 9 + 9 Land mountainous Soil 2" 4.3" slate
82.00	Mountainous land 80.00 chs

Sidewalks J. S. R. 6 mi.

Chain	N. 5.02 W. on random line bet. seeds. 4 & 5
4.00.0	Set 10 in. 1/4 sec. cor.
7.20	Surveyed to top of Tp. 3.49 chs 589356 feet of sec. 39 + 39
	This being above the allowable limit of 21' of arc.
	Set a sandstone 1.5x8x6 in. 10 in. in the ground for closing cor. of sec. 4 & 5 marked C.C. on S. face with 4 grooves on E. and 2 grooves on W. face raised amount of stone 2 ft. base 1/2 ft. high S. of cor.
	Pits impracticable
	Hence Survey
	S. 5.02 C. on true line bet. seeds. 4 & 5
	Over rough mountainous land down steep descent
3.50	Bottom of hollow drains E. and ascend through dense Bastard Mahogany undergrowth
18.00	Top of ascent bears E. & W. & begin steep descent
31.20	Foot of steep descent
32.00	N. fork of Welsh Canyon drains E. Road bears E. & W.
33.00	Point of hill bears E. & W.
33.40	S. fork of Welsh Canyon drains N. 68° E. and road bears N. 68° E. & S. 68° W.
39.50	Enter pine timber bears E. & W.
40.90	An aspen, 5 in. in diameter for 1/4 sec. cor. Surveyed 1/4 S. & 1/4 W. side and 4 on E. side raised amount of stone 2 ft. base 1/2 ft. high W. of cor.
	Pits impracticable
52.00	Bare ridge bears N. 45° E. & S. 45° W. & descend through scrub
61.00	Top of ascent bears E. & W. & descend
68.00	Bottom of descent: small drain E. of ascent
74.25	Top of ridge bears E. & W. & descend
80.20	The cor. of sec. 4 - 5 - 7 & 9 Land mountainous Soil 2" & 3" rock stony Timber pine and aspen Mountainous land T.O. 20 che.

Subdivisions of T. 5 S. R. 67 W.

Chain	From the standard cor. of secs. 31 & 32 run S body of T. P. which is all limestone bedrock above ground marked and unmarked as described by the Surveyor General. Thence South
	No. 5° 01' W. on random line bet. secs. 31 & 32
40.00	S. E. termp. $\frac{1}{4}$ sec. cor.
50.00	Intersect E. & W. line at cor. of secs. 29-30 31 & 32, which is a fine shale marked and unmarked as described by the Surveyor General. Thence South
	S. 0° 01' E. on true line bet. secs. 31 & 32
	Over broken mountainous land through dense sagebrush undergrowth
36.10	Ravine drains E. & begin steep ascent
40.00	Belt of limestone 18 X 6 X 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. unmarked $\frac{1}{4}$ on W. Face raised around of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable
56.00	Top of sharp ridge 1100 ft. high bears 70° E + N. 20° W.
	Cutter cedar timber bears E. & W. & descended through swale
65.00	Top of ridge bears S. 25° W. & N. 25° E. and begin steep descent
76.00	Foot of steep descent bears S. 25° W. & N. 25° E.
80.00	The standard cor. of secs. 31 & 32 Land mountainous Soil 2" - 3" pale yellow Timber cedar Mountainous land 80.00 chs

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Sedimentaries J. S. R. 6 W.

chain	W. on random line between sec. 30 & 31
41.00	Set. lmp. 1/4 sec. cor.
70.00	Summit the W. end of Jp at the cor. of sec. 25-30 - 31 & 36 but sp. distal Thence down
	C. on true line between sec. 30 + 31
	Over mountainous land through dense sagebrush undergrowth
9.00	Bottom of ravine on hollow drain
	C. 60° W., sand. arid.
18.00	Ridge between Rush Valley and Skull Valley, 1,000 ft. high bears N. 25° W. & S. 25° E. and begin steep rocky descent
25.50	Foot of steep descent bears N. & S.
40.00	Set. of limestone 1.5 x 6 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
47.00	Pit impermeable Hollow drains N 45° E.
50.00	The cor. of sec. 29-30-31 & 32
	Sand mountainous
	Soil 3" slate, gravelly
	No timber
	Mountainous land 80.00 ch.
	N. 0.0° W. bet. sec. 29 & 30
	Over mountainous land through dense sagebrush undergrowth
10.00	Hollow drains S. 45° E. and arid
39.50	Top of ridge 700 ft. high bears S. 45° E. & N. 45° W.
40.00	Set. of limestone 1.5 x 1.0 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of corner
	Pit impermeable

Sulphurito T. 1 S. R. 6 N.

Chain	
42.30	Ceder. scattering cedar timber bears E & W
60.00	Bottom of descent ravine draws S 5-5° E
	Leave cedar timber bears E & W
	A small spring bears E. 1/2 o'clock
66.50	Top of ascent bears S. 70° E & W. 70° N. and begins gentle descent
70.00	Set a limestone 18 X 7 X 7 ins. 12 ins. in the ground for cor. of sec. 19-20-29 & 30 marked 2 notches on S. and 5 notches on E. edges raised a round of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable Land. mountainous and broken Soil 3" pale, stony Timber cedar Mountainous land 80.00 chs.
	E. On abandoned line between sec.
	20 & 29
40.00	Set kersip 1/4 sec. cor.
80.00	The cor. of sec. 20-21-28 & 29 Thick draw Run line between sec. 20 & 29 Over undulating ground through thick dense sagebrush under growth
70.10	Set a limestone 18 X 7 X 7 ins. 10 ins. in the ground for 1/4 sec. cor. abandoned 1/4 sec. If face raised a round of stone 2 ft. base 1 1/2 ft. high 1/2 of cor. Pits impracticable
65.50	Begins descent into hollow bears S. 25° E and N. 25° W.
68.60	Bottom of hollow draws S. 25° E and ascend
70.00	The cor. of sec. 19-20-29 & 30 Land undulating

Subdivisions T. 4 S. R. 4 W.

chain	Soil 2" note, stony 70' timber land covered with dense undergrowth 80-90 chs.
	N. on random line between recs. 19. 4.30
40.00	Set. temp. 1/4 sec. cor.
79.60	Divided into half of 30 at the cor. of recs. 19-24-25 & 30. Half divided Thence S. line C. on. tree line between recs. 19. + 30 Over rough mountainous land down steep descent.
14.10	Bottom of hollow drain S. 45° E. and begin gentle ascent.
28.25	Top of ridge bears S. 30° E. + N. 30° W. 13.00 ft. high.
39.90	Set. a limestone 1.5 X 8 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high if. of cor. Pits impracticable
49.60	Top of ridge bears S. 30° E. + N. 30° W.
58.60	Bottom of swale drain S. 30° E. and ascend.
61.60	Top of ascent bears S. 45° E. + N. 45° W.
79.60	The cor. of recs. 19, 20, 29 & 30. Spars. mountainous Soil 3" note, stony scattering Timber red oak Mountainous land 79.60 chs.
	M. S. 02' W. between recs. 19 & 20. Over mountainous land through dense sagebrush undergrowth
12.00	Ravine drains E.
14.50	Top of drift bears E. + W. a descent.

Suddevenous T. & S. R. 60

Chain 15.50	Road bears S. 78° E + N. 70° W and ascend.
33.50	Top of ridge bears S. 65° E + N. 65° W and descend.
33.50	Hollow drains S. 65° E
39.00	Head of Grouse Spring bears E 11.50 chs dist.
40.00	Set-a limestone 18 X 6 X 6 ins 19 ins in the ground for 1/4 sec cor marked 1/4 on W face raised as rounded of stone 2 ft base 1 1/2 ft high W of cor Pits impracticable.
48.50	Top of smooth ridge bears E + W and descend.
53.90	Bottom of hollow drains E and ascend.
69.25	Top of ridge bears E + W
79.00	Bottom of descent hollow drains E
79.20	Road bears S. 78° E + N. 70° W
80.00	Set-a limestone 18 X 6 X 6 ins 19 ins in the ground for cor 1/2 sec 17 1/4 19 + 20 marked 3 notches on S + 5 notches on E edges raised as rounded of stone 2 ft base 1 1/2 ft height W of cor Pits impracticable. Ground rolling and broken Soil 2" slate, loam and gravel No timber Ground covered with dense undergrowth 80.00 chs

Subdivision T.S. S. TR. 6 W.

chain	E. on random line between secs. 17 & 20.
10.00	Set tripod 1/4 sec. cor.
79.80	Surveyed N. + S. line 38 lbs. W. of cor. of sec. 16, 17, 20 + 21.
	Three Drives
	N. 89° 44' W. on tree line between secs. 17 & 20.
	Over broken mountainous land through dense sagebrush under- growth.
6.00	Top of ridge bear N. + S.
9.20	Ravine drains S.
17.00	Ridge bear S. 25° E. + N. 25° W.
27.00	Bottom of ravine drains S.
30.00	Top of ridge, bear N. + S.
39.00	Bottom of ravine drains S.
39.90	Set a limestone 16 X 8 X 6 ins. 10 ins. in the ground for 1/4 sec. cor., marked 1/4 on top face raised a mound of stone 2 ft base 1 1/2 ft. high N. of cor.
	Pits impracticable.
49.00	Top of ascent bear N. + S. + descend.
53.70	Foot of steep descent, bottom of big hollow and road bear S. 60° E. + N. 60° W. Hollow dis S.E.
56.00	Cutter cherry undergrowth bear N. + S.
56.70	Gully or ravine drains S. 50° E.
59.00	Choke Cherry Spring bear S. 100 ch dist.
60.00	Leave undergrowth bear N. 45° W. and S. 45° E. and ascend Bluff.
79.80	The cor. of rec. 17, 18, 19 + 20. Land mountainous. Soil 2" + 3" rate, stony. Timber scattering cedars. Mountainous land 79.80 ch.

Subdivisions T. 5 S. R. 6 W.

	W. on random line between secs. 18 & 19
40.00	Set a line $\frac{1}{4}$ sec. cor.
79.21	S. intersect W. boundary of Twp. 3rd line S. of cor. of secs. 13, 15, 19 & 24. Metres described Three lines S. $89^{\circ} 45' E$. on true line between secs.
	18 & 19.
	Over rough mountainous land through asheogany timber.
10.00	Top of very rocky ridge 17.0 ft. high bears S. $55^{\circ} E$. & N. $55^{\circ} W$.
21.00	Leave asheogany and pine timber bears N. & S.
39.21	Set a limestone 1.8 X 8 ft. ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face raised a mound of stone 2 ft. base. 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable Continue down steep descent.
48.40	Ravine drains S. $65^{\circ} E$.
53.21	Foot of mountain bears N. & S.
55.60	Ravine, same as above. drains N. $70^{\circ} E$.
72.21	Ravine smaller above drains S. $70^{\circ} E$.
78.21	Ravine same as above. drains N. $75^{\circ} E$.
79.21	The cor. of secs. 17, 18, 19 & 20. Sand mountainous Soil stony 3" rate Timber fine aspen and mahogany. Mountainous land 79.21 chs.
	$\frac{1}{2}$ to 1 $\frac{1}{2}$ ' W. between secs. 17 & 18
	Over rolling broken land through dense sagebrush undergrowth
1.25	Ravine drains N. $75^{\circ} E$.
9.00	Top of ascent bears E. & W.
19.10	Bottom of swale drains E. & ascended
30.00	Top of ascent bears E. & W. and begin steep descent.
31.75	Ravine drains E.
36.60	Top of ascent bears E. & W. & descend into Big Hollow.

Subdivision T. S. R. 6 W.

chain	
40.00	Foot of Bluff base S. 45° E. & N. 45° W. Set a limestone 18x10x6 inns. 12 inns in the ground for 1/4 sec. cor. marked 1/4 on West face, raised a mound of stone 2 ft. base 1/2 ft. high W. of cor. Site impracticable
44.00	Road bears S. 45° E. & N. 45° W.
44.75	Enter cherry bears S. 45° E. & N. 45° W.
46.00	Leave cherry bears S. 45° E. & S. 45° W.
50.00	Opposite side of hollow bears N. 45° W. and S. 45° E. and ascend
70.00	Top of ascent bears E. & W. and descend into hollow.
74.50	Bottom of hollow drains S. 45° W.
75.50	Road bears S. 45° W. & N. 45° E. and ascend.
80.00	Set a limestone 18x8x6 inns. 12 inns in the ground for cor. of sec. 7, 8, 17 & 18 marked 4 notches on S. 5 notches on E. edges, raised a mound of stone 2 ft. base 1/2 ft. high W. of cor. Site impracticable Land rolling and broken Soil 2" slate, loam and gravel No timber Land covered with dense under growth, 80.00 chs.

S. 89° 42' E. on random line between
sec 8 & 17

40.00	Set lmp. 1/4 sec. cor.
80.00	Spanned the N-S line at the cor. of secs. 8-9-16 & 17 Then S line
	N. 89° 44' W. on line between secs 8 & 17
	Over mountainous land through very gentle slope

Subdivision J. S. S. R. 6 W.

chain 22.00	Cutter pine timber bears N. & S.
23.00	Top of ascent bears N. & S. 16' 10" ft. high and descend
29.00	Leave timber bears N. & S.
40.00	Set a quartile stone 15 X 6 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pile impracticable
42.75	Cutter aspen and pine timber bears N. & S.
43.25	Bottom of ravine drains N. & ascend
46.15	Top of ridge bears N. & S. & descend
46.00	Foot of descent, hollow drains S. 45° W. and road bears S. 45° W. & N. 45° E. and ascend
50.00	The cor. of secs. 7, 8, 17 & 18. Land mountainous Soil 2" & 3" rate, stony Timber pine and aspen Mountainous land 80.00 hrs.

June 29, 1899.

4.89° 45' W. on railroad line between secs. 7 & 18.
40.00 Set temp 1/4 sec. cor.
7.8.85 Delineated the W. end of 3d or the cor. of secs. 7, 12, 13 & 17 here before described. Hence I am
15.89° 45' E. on tree line between secs. 7 & 18
Over mountainous broken land down rather steep descent through pine and mahogany timber
10.35 Leave timber bears N. & S.
18.05 Ravine drains N. 45° E.
31.85 Foot of steep descent bears N. & S.
38.85 Set a limestone 15 X 6 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.

Subdivisions T. & S. R. L.W.

chain 43.85	Leaves tree Spring bears N. about 15 chs. dist.
51.85	Another small spring bears N. about 25 chs. dist.
53.85	Road bears S. 37° E. + N. 37° W.
55.85	A small spring bears N. about 6 ch. dist.
56.85	Bottom of Big Hollow drains S. 38° E. and ascend.
68.85	Top of ascent bears N. + S. + descend.
78.85	Cor. of secs. 7, 8, 17, + 18 land mountainous. Soil 2" - 4" - 6" - 8" - 10" - 12" - 14" - 16" - 18" - 20" - 22" - 24" - 26" - 28" - 30" - 32" - 34" - 36" - 38" - 40" - 42" - 44" - 46" - 48" - 50" - 52" - 54" - 56" - 58" - 60" - 62" - 64" - 66" - 68" - 70" - 72" - 74" - 76" - 78" - 80" - 82" - 84" - 86" - 88" - 90" - 92" - 94" - 96" - 98" - 100" - 102" - 104" - 106" - 108" - 110" - 112" - 114" - 116" - 118" - 120" - 122" - 124" - 126" - 128" - 130" - 132" - 134" - 136" - 138" - 140" - 142" - 144" - 146" - 148" - 150" - 152" - 154" - 156" - 158" - 160" - 162" - 164" - 166" - 168" - 170" - 172" - 174" - 176" - 178" - 180" - 182" - 184" - 186" - 188" - 190" - 192" - 194" - 196" - 198" - 200" - 202" - 204" - 206" - 208" - 210" - 212" - 214" - 216" - 218" - 220" - 222" - 224" - 226" - 228" - 230" - 232" - 234" - 236" - 238" - 240" - 242" - 244" - 246" - 248" - 250" - 252" - 254" - 256" - 258" - 260" - 262" - 264" - 266" - 268" - 270" - 272" - 274" - 276" - 278" - 280" - 282" - 284" - 286" - 288" - 290" - 292" - 294" - 296" - 298" - 300" - 302" - 304" - 306" - 308" - 310" - 312" - 314" - 316" - 318" - 320" - 322" - 324" - 326" - 328" - 330" - 332" - 334" - 336" - 338" - 340" - 342" - 344" - 346" - 348" - 350" - 352" - 354" - 356" - 358" - 360" - 362" - 364" - 366" - 368" - 370" - 372" - 374" - 376" - 378" - 380" - 382" - 384" - 386" - 388" - 390" - 392" - 394" - 396" - 398" - 400" - 402" - 404" - 406" - 408" - 410" - 412" - 414" - 416" - 418" - 420" - 422" - 424" - 426" - 428" - 430" - 432" - 434" - 436" - 438" - 440" - 442" - 444" - 446" - 448" - 450" - 452" - 454" - 456" - 458" - 460" - 462" - 464" - 466" - 468" - 470" - 472" - 474" - 476" - 478" - 480" - 482" - 484" - 486" - 488" - 490" - 492" - 494" - 496" - 498" - 500" - 502" - 504" - 506" - 508" - 510" - 512" - 514" - 516" - 518" - 520" - 522" - 524" - 526" - 528" - 530" - 532" - 534" - 536" - 538" - 540" - 542" - 544" - 546" - 548" - 550" - 552" - 554" - 556" - 558" - 560" - 562" - 564" - 566" - 568" - 570" - 572" - 574" - 576" - 578" - 580" - 582" - 584" - 586" - 588" - 590" - 592" - 594" - 596" - 598" - 600" - 602" - 604" - 606" - 608" - 610" - 612" - 614" - 616" - 618" - 620" - 622" - 624" - 626" - 628" - 630" - 632" - 634" - 636" - 638" - 640" - 642" - 644" - 646" - 648" - 650" - 652" - 654" - 656" - 658" - 660" - 662" - 664" - 666" - 668" - 670" - 672" - 674" - 676" - 678" - 680" - 682" - 684" - 686" - 688" - 690" - 692" - 694" - 696" - 698" - 700" - 702" - 704" - 706" - 708" - 710" - 712" - 714" - 716" - 718" - 720" - 722" - 724" - 726" - 728" - 730" - 732" - 734" - 736" - 738" - 740" - 742" - 744" - 746" - 748" - 750" - 752" - 754" - 756" - 758" - 760" - 762" - 764" - 766" - 768" - 770" - 772" - 774" - 776" - 778" - 780" - 782" - 784" - 786" - 788" - 790" - 792" - 794" - 796" - 798" - 800" - 802" - 804" - 806" - 808" - 810" - 812" - 814" - 816" - 818" - 820" - 822" - 824" - 826" - 828" - 830" - 832" - 834" - 836" - 838" - 840" - 842" - 844" - 846" - 848" - 850" - 852" - 854" - 856" - 858" - 860" - 862" - 864" - 866" - 868" - 870" - 872" - 874" - 876" - 878" - 880" - 882" - 884" - 886" - 888" - 890" - 892" - 894" - 896" - 898" - 900" - 902" - 904" - 906" - 908" - 910" - 912" - 914" - 916" - 918" - 920" - 922" - 924" - 926" - 928" - 930" - 932" - 934" - 936" - 938" - 940" - 942" - 944" - 946" - 948" - 950" - 952" - 954" - 956" - 958" - 960" - 962" - 964" - 966" - 968" - 970" - 972" - 974" - 976" - 978" - 980" - 982" - 984" - 986" - 988" - 990" - 992" - 994" - 996" - 998" - 999" - 1000"
57.85	Bottom of hollow drains S. 45° E. + begin steep ascent.
63.00	Top of ridge bears S. 40° E. + N. 40° W.
30.45	Bottom of hollow drains S. 45° E. + begin steep ascent.
40.00	Set a limestone 15 X 6 X 6 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
42.00	Pile impracticable.
42.00	Ridge bears S. 40° E. + N. 40° W. and begin gentle descent.
47.75	Bottom of hollow drains S. 45° E. and begin very steep ascent.
52.00	Top of ridge bears E. + W. 1800 ft. high and begin gentle descent into swale.
50.00	Set a limestone 15 X 8 X 8 ins. 12 ins in the ground for cor. to sec. 5-6, 7, + 8 on gentle slope ahead of grassy swale marked 5 mds.

Subdivisions T. 5 S. R. 6 W.

chain	on S. & E. edges, raised a mound of stone 2 ft. base 1 1/2 ft. high. W. of cor. Pits impracticable Land mountainous Soil 2" & 3" rate, stony Timber aspen and mahogany Mountainous land 80.00 chs.
	S. 49°. 44' E. on random line between secs. 5 + 8.
40.00	Set temp 1/4 sec. cor.
80.00	Interest the N. 45° line at the cor. of secs. 4 + 5 - 8 + 9. Hence drain
	N. 49°. 44' W. on true line between secs. 5 + 8.
	Over rugged mountainous land up steep ascent along S. face of ridge.
23.00	Top of ridge bears N. 53° E. + S. 53° W. and descend.
34.00	Deep ravine on steep N. side of mountain drains N. Enter dense pine timber bears N. + S.
37.00	Leave timber bears N. + S.
40.00	Set a sandstone 1 1/2 X 10 X 4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable
42.00	Enter timber bears N. + S.
60.00	Leave timber bears N. + S.
70.00	Top of high ridge bears N. + S. and begin gentle descent.
80.00	The cor. of sec. 5, 6, 7 + 8. Land mountainous Soil 2" + 3" rate, stony Timber pine & aspen Mountainous land 80.00 chs.

Sundown - J. 25. '20.

Chains	$N. 89^{\circ} 45' W.$ on random line between secs. 6 & 7
40.00	Set strip 1/4 sec. cor.
79.00	Surveyed W. by. of 3 p. at the cor. of 1-6 - 7. & 12 bushels divided between 3 runs.
	$S. 89^{\circ} 45' E.$ on true line between secs. 6 & 7 X
	Over rough mountainous land down rather steep descent.
12.15	Foot of steep descent, gully drains N. and across level flat.
25.00	Foot of steep ascent bears N. + S.
32.00	Top of ridge bears $W. 25^{\circ} W.$ + $S. 25^{\circ} E.$ and descended through dense pine timber.
39.00	Set a limestone 15 x 8 x 6 ins. 1.0 ins. in the ground for 1/4 sec. cor. marked 1/4 owl. If face raised a mound of stone 2 ft. base 1 1/2 ft. high if of cor. Pits impractical!
	A. pine 30 ins. in diameter bears $W. 70^{\circ} W.$ 30 lbs. dirt marked 1/4 S.
6 P. T.	
	A. pine 30 ins. in diameter bears $S. 30^{\circ} W.$ 40 lbs. dirt marked 1/4 S.
7 P. T.	
49.00	Ravine drains $W. 30^{\circ} W.$ and begin steep ascent
74.00	Top of ascent bears $W. 20^{\circ} W.$ + $S. 20^{\circ} E.$
76.40	Leave aspen and pine timber. Bears N. + S.
79.00	The cor. of secs. 5, 6, 7, & 8. Land mountainous Soil 1" & 2" rate, stony Timber pine and aspen. Mountainous land 79.00 chs.

Subdivisions 3 & 5. R. 6 W.

- crosses N. 0° 02' W. on random line between sec. 5 & 6.
40.00 Set fence $\frac{1}{4}$ sec. cor.
• 40.40 Entered the Ndy. of Tp. at the cor. of sec. 5 & 6 - 31 & 32, which
is a line drawn through as described by the Surveyor General
I have not seen.
C. S. 0° 02' E. on tree line between secs.
5 & 6.
Over rugged mountainous land
through scattering pine and
aspen timber up very steep ascent.
3.90 Ridge bears N. 15° W. & S. 15° E.
40.40 Set a sandstone 13-X.8.X 5-in. 10 in.
in the ground for $\frac{1}{4}$ sec. cor. on
W. face of bare ridge, raised a
mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high
W. of cor.
Pits impractical.
61.70 Top of ridge 1700 ft. high. Bears E. + W.
Leave Hickman Canyon and begin
gentle descent through swale.
76.40 Bottom of swale drains N. 45° W.
80.40 Cor. of secs. 5, 6, 7 & 8.
Rugged mountainous
Soil 2" + 3" rate, stone
Timber pine and aspen
Mountainous land. D. 40 chs.

Retracement in T. 5 S. R. 6 W.

Chains Finding that secs. 27-22-15-10 & 3 did not close within limits I proceed as follows to locate the error.

Beginning at the cor. of secs. 26-27 & 4 & 3 which is a pine stake somewhat decayed I retrace the E. bdy. of sec. 27 & find the distance 80 chs. correct while the course is N. 0° 47' W.

Beginning at the cor. of secs. 22-23-26 & 27 heretofore described I in like manner retrace the E. bdy. of sec. 22, finding the distance 80 chs. correct the course N. 0° 36' W.

Beginning at the cor. of secs. 14-15-22 & 23 heretofore described I retrace the E. bdy. of sec. 15 & find the distance ^{80.00 chs.} correct the course N. 0° 24' W.

Beginning at the cor. of secs. 10-11-14 & 15 heretofore described I retrace the E. bdy. of sec. 10. On this I also find the distance ^{80.00 chains} correct the course being N. 0° 28' W.

Beginning at the cor. of secs. 2-3-10 & 11 heretofore described I also retrace the E. bdy. of sec. 3 and find the distance 80.11 chs. correct and the course N. 0° 26' W.

June - 29 - 1899.

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BOOK A-295

General Description

This Twp. is rough and mountainous in the West & Northern parts gently rolling in the central parts.

It is fairly well watered and affords good grazing land in the North & Northeastern parts, also affords good white pine and red pine timber in the North and North Western parts.

There is no evidence of any existing land claims in this Twp.

The desert entries of Lf. H. Caldwell Jr., W. H. Caldwell & Rev. M. Barnes numbered 1383 - 1398 & 981 respectively all seem to have long since been abandoned I found no traces of mineral in this township. *Montgomery Stockley*.

W. S. Thompson Surveyor

June 30 - 1879.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____.

showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction, and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____.

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____

day of _____, 189_____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor
solemnly swear that, in pursuance of a contract received from _____, bearing date of _____
United States Surveyor General for _____, day of _____, 189_____, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

_____ meridian, in the _____, of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will incur the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

J. H. French _____ *United States Deputy Surveyor*

Subscribed by said _____, and sworn to before me _____
this _____ day of _____, 189_____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Washington D. C. November 30, 1903

The foregoing field notes of the survey of *The subdivisional lines of the Township of South Range, East of the Salt Lake Branch and Residence, Plat*, _____

executed by _____, *Alonzo J. Stockley*, dated _____, 189_____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-295

FIELD NOTES

OF THE SURVEY OF THE

*Douglas River and adjacent parts of the State of Oregon**Georgetown and Black Diamond Districts**of the California Standard Meridian,**Oregon and Washington*

AS SURVEYED BY

*George J. Johnson, United States Deputy Surveyor,**Under his Contract No. 426, dated October 23, 1891.**Survey commenced October 23, 1891.**Survey completed December 1, 1891.**Scale 4.75.74.*

NAMES AND DUTIES OF ASSISTANTS

Hymen Millwood

Brahman

Richard Orr

J. S. Stobey

Mundman

Roger Millwood

Garrison

Roger Millwood

Flagman

In�liminary affidavits rebook Q. J. 75 P. C. W.

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Volume

#

R0295

BOOK A-295

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Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by striking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman

, Chainman

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman

, Moundman

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman

, Axman

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman

Subscribed and sworn to before me this }
day of , 189 }



N. Bay of T. & S. R. & W.

chains	<p>Survey commenced July 1st 1899. and executed with a W. & E. Gunley light mountain transit for description of which see page 1 Book A.</p> <p>At the cor. of Twp. 4 + 5 S., R. 64^W. as established by myself I observe Polaris at $0^{\circ} 50'$ a.m. l.m.s. at eastern elongation in accordance with the instructions in the Manual and mark the line thus determined by a tack driven in a wooden plug set in the ground 5.00 chs. N. of my station.</p> <p>At 7: a.m. I turn off the Azimuth of Polaris $1^{\circ} 37'$ to the W. and mark the True Meridian thus determined by driving a tack in a wooden plug firmly set in the ground W. of the mark established last night; the magnetic bearing of the said true meridian is N. $16^{\circ} 45'$ W. which reduced by the table on page 100 of the Manual gives the mean magnetic decli- nation $16^{\circ} 39'$ E.</p> <p>From the true meridian I turn off an angle of $90^{\circ} 00'$ to the W. Then I run</p> <p>W. on random line</p> <p>Setting tripod $\frac{1}{4}$ sec. cor.</p>
395.74	<p>Fall 2.37 chs. N. of cor. of sec 5, 6, 31 432. The falling being within the allowable limit of 21' of arc. I calculate the corner and return on true line.</p> <p>From the above mentioned corner which is a quartzite stone 20x14x12 ins. above ground marked and witnessed as described by the Surveyor General.</p> <p>I then I run</p> <p>$89^{\circ} 40'$ E. on true line bet. sec.</p>

In body of J. S. T. W.

- 5-4-32
Over very rough mountainous land
up steep rugged W. face of mountain
Enter scattering cedar and pine
timber. bears N. + S.
7-27 Ascent becomes less steep bears N. 45° E
+ S. 45° W.
28-94 Top of ascent bears N. 45° W. + S. 45° E
and descends into rocky Gorge
32-74 Bottom of Gorge drains N. and begins
very steep rough ascent.
35-74 Set a quartzite stone 18 x 10 x 6 ins. 12 lbs.
in the ground for 1/4 sec. cor. marked
1/4 on W. face raised a mound of
stone 2 ft. base 1 1/2 ft. high N. of cor.
Pits impracticable
A cedar 18 ins. in diameter bears N. 10°
E. 12 lbs. dist. marked 1/4 S. 32° B. T.
A cedar 14 ins. in diameter bears S. 44°
E. 63 lbs. dist. marked 1/4 S. 5° B. T.
Continue over series of quartzite
cliffs, ledges and ravines along
almost impassable W. face of mountain
75-74 Set a quartzite stone 30 x 10 x 6 ins.
in a mound of stone for cor. of sec.
4, 5, 32 + 33. marked 2 notches on
W. and 4 notches on E. edges raised
a mound of stone 2 ft. base 1 1/2 ft. high
W. of cor.
Pits impracticable
A cedar 8 ins. in diameter bears N.
9° E. 35 lbs. dist. marked T. 4 S. R. 7
W. S. 33° B. T.
A cedar 14 ins. in diameter bears S.
45° W. 23 lbs. dist. marked T. 5 S. R.
7 W. S. 5° B. T.
No other trees within limits
Land. mountainous
Soil. stony & bare
Timber. scattering cedar + pine
Mountainous land 45-74 ch.

July 2-1899

N. bdy. of J. & S. Tr. 7 W.

- Chart. N. $89^{\circ} 40' E$. on tree line between sec. 4 & 5
Over series of quartzite cliff ridges
and scree, very steep and rough
almost impassable.
- 26.10 Top of high ridge bears N. $50^{\circ} W.$ & S.
 $50^{\circ} E.$ and begins steep rough descent
into hollow.
- 35.00 Bottom of hollow drain N. $50^{\circ} W.$ and
begins steep rough ascent of S. W. face
of mountain.
- 40.00 Set a limestone 15 x 10 x 6 ins. 10 ins.
in the ground on steep side of
mountain for 1/4 sec. cor. marked
1/4 on N. face raised a mound of
stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable.
- A dry cedar 24 in. diameter bears
N. $35^{\circ} E.$ 65 lbs. dist. marked 1/4 S. 33
B. T.
- A dry cedar 24 in. diameter bears
S. $45^{\circ} E.$ 80 lbs. dist. marked 1/4 S.
4 B. T.
- Continue up steep side of mountain.
- 68.37 Top of limestone ridge 1600 ft. high
bears N. $45^{\circ} W.$ & S. $45^{\circ} E.$
- 70.25 Leave larger timber bears N. + S.
enter very dense growth young
pine timber.
- 80.00 Set a sandstone 18 x 10 x 6 ins. 12
ins. in the ground for cor. of sec.
3, 4, 33 & 34 among young pine
timber marked 3 notches on E.
4 W. edges raised a mound of
stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable.
- No trees of sufficient size within
limits.
- Land very rough and mountainous
Soil stony & bare
Timber pine cedar & ashepine
abundant.
- Mountainous land 80.00 lbs.

May 3 S. T. J. W.

- 75° 40' E. between sec. 3 & 3 1/2
Over mountainous land up gentle
ascent through young pine and
mahogany timber.
- 9.00 Top of ascent bears N. & S. and
continue over series of ravines, swales
and ridges.
- 40.00 Set a limestone 15 x 10 x 4. in. 10 in.
in the ground for 1/4 sec. cor.
marked 1/4 on N. face raised a
round of stone 2 ft. base 1 1/2 ft. high
W. of cor.
Pits impracticable
A pine 8 in. diameter bears N. 50° E.
dist marked 1/4 S. 34° W. J.
A pine 12 in. diameter bears S. 35°
W. 7 in. dist. marked 1/4 S. 37° W. J.
Continue over series of small ravines
ridges and swales.
- 75:22 Top of ridge bears N. 45° W. + S. 45° E.
Leave timber bears N. 45° W. + S. 45° E.
and descend.
- 80.00 Set a sandstone 15 x 8 x 6 in. 10 in.
in the ground for cor. of sec. 2, 3
34 & 35 - marked 2 inches on E. & 4
notches on W. edges raise a round
of stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable
Land mountainous
Soil 2" + 3" rate stony.
Timber pine and balsam abundant
Mountainous land. 50.00 ac.

Mo. today, T. S. S. Tr. 7 W.

28.00	Mo. $89^{\circ} 40'$ E. on tree line between sec.
24.35	Over mountainous land covered with pine timber.
6.35	Sleep ravine drains Mo. $45^{\circ} W.$ Enter timber break Mo. + S. + ascend.
13.00	Top of ridge bears Mo. + S.
18.30	Ravine drains Mo. $30^{\circ} E.$
26.50	Ravine drains Mo. $45^{\circ} W.$ Leave pine timber bear Mo. + S.
29.00	Foot of steep limestone ledge bear N. + S.
32.00	Top of limestone ledge bear N. + S.
38.00	Hillside between Rush Valley and Skull Valley, 2,000 feet high bear N. + S. + begin steep descent into Fickman Canyon!
40.00	Set a lime stone 18x8x5 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on Mo. face raised at around of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
50.00	Set a limestone 18x10x7 in. 12 in. in the ground for cor. sec. 12, 35-436 marked 1 north on E. + 3 south on W. edge raised at around of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
	Land mountainous Soil 2" + 3" rock stony. Timber scattering pine. Mountainous land. To 0.00. In.

	Mo. $89^{\circ} 40'$ E. on tree line bet. sec.
	14.36.
	Over mountainous rolling land driven steep descent.
1.00	Foot of steep descent bear Mo. + S. descent becomes gentle.
5.00	Enter Aspen timber bear Mo. + S..

T. 10 S. R. 17 W.

chain \$.90	Begins steep descent bears N. + S. Leaves Aspen timber bear N. + S.
12.00	Enter Aspen timber bear N. + S.
13.60	Small ravine or gully drains N. 70° E. spring about 17 ch.
19.00	Leaves Aspen timber enter dense sagebrush undergrowth bears N. + S. and ascends gently along N. face of ridge.
27.00	Top of ascent bear N. 75° E. + S. 75° W. begin steep descent.
37.00	Foot of steep descent bear N. + S.
40.00	Set at limestone 18 x 12 x 8 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face raised & mound of stone 2 ft. base 1 1/2 ft. height of cor. Pits impracticable
41.50	Ravine bed, stream 4 like wide flows S. 60° E. and ascends Hickman River
49.00	Top of ridge bear S. 25° E. + N. 25° W.
52.25	Enter grove of Aspen and Cherry bear N. + S. 75° E. through.
66.00	Bottom of swale drains S. 15° E.
76.00	Top of rocky ridge bear N. + S.
80.00	Corner of Twp. 4 + 5 S. R. 6 + 7 W. lands mountainous Soil 2" red loam and gravel Timber Aspen. N. mountainous land \$0.00 ch.

(For general description see subdivisions
of this township)

Alonzo Stockley
U.S. Deputy Surveyor

July 3, 1899

Latitudes, departures and closing errors.

Line designated	True bearing	Dist.	Latitude		Departure	
			N.	S.	E.	W.
North Poly. T. 55 R. 11 M.	58° 40' N.	39.574			2.30	39.574
Ratio Sec. 5+6	50° 09' W.	79.80		79.80		21
" " 7+8	52° 37' W.	80.08		80.00		3.66
" " 17+18	S-	80.00		80.00		
" " 17+20	E-	79.36			79.36	
" " 20+21	S-	80.00		80.00		
" " 21+28	N. 89° 48' E.	80.20	28		80.20	
" " 27+28	S. 0° 45' E.	80.00		80.00	51.05	
" " 33+34	50° 05' W.	77.60		77.60		11
South Poly. T. 55 R. 11 M.	E-	239.54			239.54	
East - do -	N-	480.00	480.00			
<u>Convergency</u>						.60
			480.28	479.70	400.15	400.32
			479.70			400.15
			58	Error in dep.		17
<u>Error in lat.</u>						

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____

day of _____, 180_____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from United States Surveyor General for, bearing date of 180, I have well, ~~carefully~~, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the meridian, in the, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for and in the specific manner described in the field notes, and the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

[Signature] United States Deputy Surveyor

Subscribed by said, and sworn to before me }
this day of, 189 }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

[Signature] The North Boundary of Town of Smith Range, West of the Salt Lake City and Midway of Utah

executed by Alonzo J. Strokey, dated 2/6 1891, having under his contract No. 216, dated 1891, critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

[Signature] Edward M. Russell
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in, has been correctly copied from the original notes on file in this office.

[Signature] United States Surveyor General

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BOOK A-295

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

Township 5 South Range 7 West

of the Salt Lake Baseline Meridian,
State of Utah

AS SURVEYED BY

Alvin J. Stockley, United States Deputy Surveyor,
Under his Contract No. 316, dated Oct 27, 1897

Survey commenced July 6, 1897

Survey completed July 16, 1897

6-161

h 37° 29' 40"
M 10° 45'
S 6° 35' 58"

NAMES AND DUTIES OF ASSISTANTS.

Hiram Millward

Chammon

Richard Orr

J. S. Stoeby

Moundman

Roger Millward

Akinman

Roger Millward

Flagman

In preliminary affidavits to look B of J.S.P.C.A.

6-161

Volume

#

R0295

BOOK A-295

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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE,

and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

, Chainm

, Chann

Subscribed and sworn to before me this

day of _____, 189 }



WE,

and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

, Mound

, Mound

Subscribed and sworn to before me this

day of _____, 189 }



WE,

and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey

, Ax

, Ax

Subscribed and sworn to before me this

day of _____, 189 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

, Fla

Subscribed and sworn to before me this

day of _____, 189 }



Subdivisions of the S. 1/4 Sect.

	Survey commenced Friday 10-18-97. and continued with a 20 ft. tape. Surveying heights now taken from top of drift bank of which road passed 1/3. of:
10.00	From cor. Sec. 34-4-26 to S. edge of Mts. which is a blue limestone 9x9 ft. in abundance, marked & measured or described by Surveyor General Fischer. Survey
11.00	N. 0° 01' W. between sec. 34-4-26 roads. mountainous land through remaining cedar timber.
11.75	Top of ridge 900 ft. high nearly N. 45° E. S. 45° W. and descend
8.00	Bottom of hollow drain S. 45° W. and begin steep ascent.
18.00	Top of ridge nearly N. 15° E. S. 45° W. and begin gentle descent. in deep hollow.
23.00	Bottom of hollow drain S. 45° W.
32.30	Top of ridge bears E. 45° W. + descent.
36.20	Bottom of hollow drain S. 70° W.
40.00	Hole against W. face of limestone ledge, I cut 1/4 mil perpendicular W. face, raised as remains of old 2 ft. to 1 1/2 ft. height 1/3 of course Pits impracticable.
41.00	At cedar 12 in. in diameter bear S. 86° E. 20 lbs. dirt marked 1/4 S. 36° 1/3. S.
42.00	At cedar 12 in. in diameter bear N. 5° E. 46 lbs. dirt marked 1/4 S. 36° 1/3. S.
44.30	Top of ridge bears E. 45° W. + begin steep descent.
57.60	Bottom of hollow drain N. 45° W. and along side hill among scattered cedars.
64.00	Top of ascent bears N. 60° W. S. 60° E. and begin descent into deep hollow. Leave cedar timber bear E. 45° W.
73.00	Bottom of canyon drain S. 65° W. County road bear S. 65° W. S. 65° E.
76.00	Canyon hollow and begins steep ascent.

Subdivision of T. 5 S. R. 7 W.

chains 79.50	Enter scattering cedars bear. E. + W.
80.00	Set a limestone 18 X 8 X 6 ins. 1.2 ins. in the ground, for sect. 25, 26, 35 + 36 marked 1 notch on S. + E. edges, raised a mound of stone 2 ft. base 1 1/2 ft. high W. of corner!
	Pits impracticable
	A cedar 12 in. in diameter bears S. 35° W. bolts. dirt. marked T. 5 S. R. 7 W. S. 35° B. J.
	A cedar 12 in. in diameter bears N. 15° W. 90 lbs dirt. marked T. 5 S. R. 7 W. S. 26° B. J.
	A cedar 24 in. in diameter bears S. 70° E.
	1.20 dirt. marked T. 5 S. R. 7 W. S. 36° B. J. No other trees within limits land mountainous
	Soil stony 4" rare
	Timber cedar
	Mountainous land 80.00 chs.

	E. on random line bet. sect. 25 + 36
40.00	Set temp 1/4 sec. cor.
80.00	Intersect the E. bdy. of the Tp. at the cor. of. sects. 25 - 30 - 31 + 36 established by myself and herefore described.
	I hence turn
5.40	W. on new line between sect. 25 + 36 over broken mountainous land through dense sage brush under growth and scattering cedar timber Bottom of hollow drain S. 45° W. leave timber bears S. 45° W. + N. 45° E.
17.50	Top of ascent bear N. + S. + begin gentle descent.
29.00	Bottom of ravine drain S. 80° W. and descend along side hill
40.00	Set a limestone 18 X 8 X 6 ins. 1.0 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
	A cedar 14 in. in diameter bears S. 89° W.

Subdivision T. 5 S. R. 7 W.

Chair	50 lbs. dist. marked 1/4 S. 36° 13'. J. A cedar 15 in. in diameter base N. 45° W. 46 lbs. dist. marked 1/4 S. 25° 13'. J.
40.50	Center scattering cedar base N. 45° S.
41.70	Leave scattering cedar base N. 45° S.
43.40	Bottom of deep rocky ravine drains S. 45° W. & arced.
43.00	Top of ascent base N. 45° E. + S. 45° W.
56.00	Bottom of hollow drains S. 45° W.
61.00	Center scattering cedar timber bases N. 45° S.
63.80	Leave cedar timber base N. 45° S.
66.20	Leave deep gully drains S. 45° W. and begin steep ascent.
69.28	Y arrows on ledges P. 2.00 chs. S. ledge 15 ft. high and descends over series of ledges.
76.50	Leave ledges
80.00	Cor. of sec. 25, 26, 35 & 36. Land mountainous Soil stony 3" + 4" rock Timber cedar. Mountainous land \$0.00 chs.

11.00	N. 0° 01' W. between sec. 25 & 26. Over mountainous land up very steep rocky ascent over ledges.
12.00	Top of ridge base S. 45° E. N. 45° W. and descended.
20.70	Bottom of hollow drains S. 45° E. marked Top of ridge base S. 60° W. + N. 60° E
36.00	Set a limestone 15 x 12 x 6 in. 10 in. on the ground for 1/4 sec. cor. marked 1/4
40.00	out W. face raised at round of stones 2 ft. base 1 1/2 ft. high W. of cor. Site impracticable.
	A cedar 14 in. in diameter base S. 84° E. 1.80 dist. marked 1/4 S. 25° 13'. J.
	A cedar 12 in. diameter base S. 36° W. 1.50 dist. marked 1/4 S. 26° 13'. J.

Subdivision J. & S. Tr. 7 W.

Chains	
42.00	Follow drain S. 60° W. 4 M. 60° E.
44.10	Top of ridge bears S. 60° W. 4 M. 60° E.
47.10	Bottom of hollow drain S. 60° W. and ascend.
50.00	Top of ridge bears S. 65° W. 4 M. 60° E.
54.70	Bottom of ravine drain S. 60° W. and ascend.
60.50	Top of steep ascent bears S. 65° W. 4 M. 65° E.
63.50	Bottom of swale drain S. 65° W.
68.30	Top of ascent bears S. 65° W. 4 M. 65° E. and begin steep descent.
71.10	Bottom of hollow drain S. 70° W. and ascend along W. slope of hill.
80.00	Set a limestone 15' X 12' X 6' in. 10 in. in the ground for cor. secs. 23, 24, 25 + 26. marked 2 notches on S. and 1 notch on E. edges, raised a mound of stone 2 ft. base 1/2 ft. high. W. of cor. Pits impracticable. Land mountainous and rough Soil, stony 4" rate. Timber cedar Mountainous land \$0.00 chs.

	C. on random line between sec. 24 + 25.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect C. body. of Tp. 33 lbs. S. of cor. of secs. 19-24-25-30, established by map. therefore described. Thence D run S. 89° 46' W. on tree line between sec. 24 + 25 over rough mountainous land up steep ascent through scattering pine and cedar timber.
93.50	Divide between Rush Valley and Skull Valley 16.00 ft. high and begins steep descent.
140.00	Set a limestone 15' X 12' X 6' in. 10 in. in the ground for 1/4 sec. cor. marked

Subdivision J. S. R. & U.

	1/4 over flat, covered at around of stone at base 1/2 ft. high W. of corner. Rock impracticable.
42.00	Bottom of steep descent and hollow drainage S. 15° W.
59.42	Top of ridge, 1,500 feet high, bearing S. 65° W. and N. 65° E. 4 degrees.
73.60	Bottom of hollow drainage S. 40° W. and oriented.
80.00	Cov. sand. 23, 24, 25, 26. Sand and gravelly.
	Soil silty, 1' thick.
	Trunks, containing spines, evident microfossils.
	All microfossils found 70.00 abv.
	July 6, 1899

	W. 6° 1' abv. between 23, 24, 25, 26. Covered gravelly, sand, stones with weathered granite, alluvium, along W. face of mountain.
155.00	Top of ridge bearing S. 15° W. south N. 15° E. under series of rounded stones and boulders.
35.00	Hollow drainage S. 45° W. sand, gravel and stones.
60.00	Sand or gravelly soil 12' 4" 13' 6" and 13' 11" in the ground, for 14' 1" 15' 1" 16' 1" 17' 1" and W. face, rounded stones and stones of all sizes. At base 1/2 ft. high W. of corner. Rock impracticable.
	Continued up stream.
49.46	Top of ridge bearing S. 70° W. and N. 70° E. and under sand.
53.40	Bottom of small drainage S. 75° W.
67.00	Rocky spine bearing S. 70° W. and N. 70° E.
80.00	Sand, gravel, stones 15' x 10' x 6' in. 10' in. in the ground, for cov. sand. 13, 14, 23, 24, mixed sand and stones and S. 45° W. 15' in. edge, rounded stones and stones of all sizes. At base 1/2 ft. high W. of corner.

Subdivision T. 6 S. R. 7 W.

	Pits impracticable Land mountainous Soil 3" rock stony Timber free scattering cedar Mountainous land 80.00 ac.
40.00	N. 89° 46' E. on random line between sec. 13 + 24
40.00	S.E. termpt 1/4 sec. cor
80.00	Intersect E. bdy. of Twp. 15 lbs. S. of cor. of sec. 13-14-19+24 established by myself theretofore described Channel Draw
	S. 89° 46' W. on true line between sec. 13 + 24
	Over rough mountainous land through scattering mag. timber up. gentle ascent.
5.00	Top of ascent bears N. + S. and begin steep descent.
14.40	Leave mag. timber bears E. + W.
18.00	Foot of steep descent bears N. 15° W. + S. 15° E.
20.50	Bottom of deep canyon drains S. 15° E. Wagon road bears S. 15° E.
	N. 15° W. enters pine timber & begins steep descent.
31.00	Leave pine timber bears N. + S.
40.00	Set at limestone 18 X 8 X 4 ins. 12 ins. are the ground for 1/4 sec. cor. marked 1/4 on N. face raised as an angle of stone 2 ft. base 1 1/2 ft. high N. of cor
	Pits impracticable
	A Pine 8 ins. in diameter bears S.
	8 lbs. dist. marked 1/4 S. 24° 7' S.
	A Pine 10 ins. in diameter bears S. 87° E. 30 lbs. dist. marked 1/4 S. 24° 7' S.
57.00	Leave cedar bears N. + S.
58.30	Divide between Bull Valley and Sheep Valley 1.50 ft. high bears N. 25° 7' S.

Subdivision of T. 5 S. R. 7 W.

	7 S. 2 E. and ascend steep W. face of mountain
59.00	Enter pine timber bears N. + S.
68.00	Leave pine timber bears N. + S.
80.00	Cor. of secs. 13, 14, 23 + 24 Land: mountainous and rough. Soil, stony, 4" rate Timber Pine and Mahogany Mountainous land 80.00 chs.

	Y. 5° 01' W. between sect. 13 + 14.
	Over mountainous land up steep ascent along W. face of mountain, over series of small ravines drain W
5.00	Enter scattering pine timber bears E. + W.
12.25	Leave scattering pine timber bears E. + W.
32.00	Enter thick pine timber bears E. + W.
40.00	Set in limestone 13 X 12 X 4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stone 2 ft. base, 1/2 ft. high W. of cor. Pits impracticable
	@ Pine 2 1/4 ins. in diameter bears S. 36° W. 51 lbs. dist. marked 1/4 S. 14 B. T.
	@ Pine 3 1/4 ins. diameter bears Y. 54° W. 40 lbs. dist. marked 1/4 S. 19 B. T.
	Continue along W. face
73.00	At top of high cliff bears E. + W. continue over series of cliff and ledges.
80.00	Set in limestone 18 X 10 X 6 ins. 12 ins. in the ground for cor. to secs. 11, 12, 13 + 14 on rocky point. marked 4 notches on S. and 1 notch on E. edges raised a mound of stone 2 ft. base 1/2 ft. high W. of corner Pits impracticable

Subdivision T. 5 S. R. 7 W.

Chain A. Balsam 6 ins. in diameter bears N. 40° E.
80 lbs. dist. marked T. 5 S. R. 7 W. S. 12 B. 7
A Pine 2 ins. in diameter bears S. 30° W.
37 lbs. dist. marked T. 5 S. R. 7 W. S. 14 B. 7
no other trees within limits.
Land rough and mountainous
Soil stony 4" rate
Pine and Aspens timber
Mountainous land. 80-100 chrs.
From this point the highest peak
of this mountain bears N. 40° E. about
20 chain dist.

- N. 89° 40' E. on random line bet. sec. 12 & 13
- 40.00 Set stump 1/4 sec. cor.
- 40.25 Intersect the E. boundary of Tp. at the cor. of sec. 7-12-13 & 18
established by myself and here-
tofore described.
Then I run
S. 89° 40' W. on true line between sec.
12 & 13.
- Over mountainous land through
pine timber up steep ascent.
- 34.25 Leave pine timber bears N. 45° S.
- 40.12 1/2 Set at limestone 15 X 8 X 6 ins. 10 ins. in
the ground, for 1/4 sec. cor. marked
1/4 on N. face raised a mound of stone
2 ft. base 1/2 ft. high 1/2 of corner
Pits impracticable.
- Continue up very steep ascent over
limestone ledge.
- 43.25 Top of ascent bears N. 33° W. + S. 33° E.
1800 ft. high and begin gentle
descent.
- 51.00 Bottom of descent or hollow drain.
S. 92° E. and ascend.
- 68.80 Divide between Turb Valley and
Skull Valley 2,000 ft. high bears S. 38°
E. + N. 38° W. descended steep N. face
of mountain through pine and
aspens timber.

Subdivision of T. S. R. W.

chain M. 25	Cross secs. 11, 12, 13 + 14 Land mountainous and rough Timber Pine and Aspen Soil stony 4" rate Mountainous land 80. 25 chs.
	Top. 0. 01 W. between secs. 11 + 12. Over very rugged mountainous land. up gentle ascent along W. face of mountain. Over ledges and cliffs.
21.06.	Top. of ridge or saddle divide between Rush Valley and Skell Valley 2100 ft. high bears S. 38° E. and N. 38° W. and descend over ledges through head of large hollow draw E.
37.00	Top of rocky ridge 2,000 ft. high bears N. 65° E. + S. 65° W. and begin steep descent into Hickman Canyon through thick pine timber.
40.00.	Falls at foot of w. face of large stationary limestone among thick pine timber, I. cut $\frac{1}{4}$ on perpendicular w. face of stone and raised around of stone 9 ft. base $1\frac{1}{2}$ ft. high W. of col. Pits impractical. Q. white pine 18 in. i. in. diameter bears N. 45° E. 15 lbs. dist. marked $\frac{1}{4}$ S. 12 B. T.
	Q. pine 18 in. i. in. diameter bears S. 43° E. 18 lbs. dist. marked $\frac{1}{4}$ S. 12 B. T.
48.50	Foot of steep descent bears E. + W. Leave heavy timber and proceed along E. face of mountain.
52.50	Begin steep descent bears E. + W.
58.25	Foot of steep descent bears E. + W. and leave scattering pine timber

Sub. J. & S. R. 7 W.

chains 80.00	Set a limestone 18 X 10 X 6 ins. 1.2 ins. in the ground for corner sec. 1, 2, 11 & 12. marked 5 notches on S. & notch on E. edges, raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pile impracticable A pine 12 ins. in diameter bears N. 60° E. 1.45 dist. marked J. & S. R. 7 W. S. 1 B. J. A pine 24 ins. in diameter bears S. 45° E. 1.66 dist. marked J. & S. R. 7 W. S. 1.2 B. J. No other trees within limits. flat and mountainous. Soil 1, 2, + 3" slate, stony and loamy. Timber pine abundant Mountainous land. 80.00 chs.
	July 7, 1899.

40.00	7° 89' 40" E. on random line between sec. 1 & 12.
79.80	I intersect E. bdy. of Twp. 27 lbs. N. of cor. of sec. 1, 6, 7 & 12 established by myself & hencefore derived. I have 2 new S. 89° 52' W. on true line between secs 1 & 12.
5.00	Over mountainous land up steep ascent through aspen, cherry and sage brush undergrowth.
12.00	Leave aspen bears N. & S.
18.25	Top of ridge bears N. & S. and begin gentle descent.
20.50	Enter aspen and a few scattering pines, bears N. & S.
39.90	Cold spring 1 ch. N. and begin gentle ascent.

Subdivision T. 5 S. D. R. 7 W.

	A Pine 18 in. in diameter bears N. E. 3.4 lbs. dist. marked 1/4 S. 17 B. T.
	A Pine 10 in. in diameter bears S. 6 lbs. dist. marked 1/4 S. 12 B. T.
	Continue ascent along N. face of mountain.
5.8.00	Leave pine timber bears N. 45° E. & S. 145° W.
6.8.20	Enter pine timber bears N. & S.
7.5.00	Leave pine timber bears N. & S.
7.9.80	Cor. of secs. 1, 2, 11 & 12. Leave mountainous. Soil 1" & 2" rate, stony sand loam. Timber, Pine and Aspen abundant. Mountainous land 7.9.80 obs.

	N. 0° 0' W. on random line bet. sec. 14 & Set temp. 1/4 sec. cor.
4.0.00	I reintersect the N. side of Tp. at the cor. of sec. 1-2 - 3 & 4 36. Established by myself and here- before described.
7.9.53	Then I run
	S. 0° 0' E. on this line between sec. 14 & over broken rolling ground through Aspen timber.
4.0.00	Leave Aspen timber.
5.1.80	Ravine drains E.
15.20	Deep ravine drains E.
26.45	Bottom of very deep ravine drains E.
3.0.30	Deep. ravine. drains E.
3.7.00	Top of ridge bears E. & W.
3.9.53	Set a limestone 18 x 12 x 6 in. 19 in. in the ground for 1/4 sec. cor. between sec. 14 2 marked 1/4 on W. face, raised a round of stone 2 ft. base 1 1/2 ft. high W. of cor.
	This impracticable.
6.0.00	Foot of steep ascent bears E. & W. enter Pine timber bears E. & W.
6.9.00	Top of ascent sharp rocky ridge bears E. and W.

Subdivision T. & S. R. & W.

Leave	Leave Pine timber & begin steep descent
74.53	Hollow drains E. and enter Aspern bears E. & W. and ascend.
77.83	Leave Aspern bears E. & W.
79.53	The cor. of secs 1, 2, 11, 12. land rolling and mountainous Soil, 1" & 2" rock, loam and gravel Timber Pine and Aspern Mountainous land 79.53 ch.
	From the cor. of secs. 34 + 35 th which is a blue limestone $7 \times 12 \times 6$ ins. above ground marked and witnessed as described by the Surveyor General. Then the road 7. 02' W. between secs. 34 + 35. Over rolling sandy land through scattering cedar timber.
7.00	Begin steep descent into hollow bear E. & W.
31.55	Bottom of hollow, width 1.00 ch. wide skirted with cottonwood timber drains S. 75° W.
39.10	County Road bears N. 75° E. & S. 75° W. Strewn 4 ins. wide flower S. 75° W. W. of P. Russell house bear N. 72° E. about 10.00 ch. dist. to small spring bear N. of house 2.00 ch. dist. uniformly. Begin arched bears N. 75° E. & S. 75° W.
39.33	Begin arched bears N. 75° E. & S. 75° W.
38.20	Cedars become more dense.
1,0.00	Set of sandstone 15-16 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stone. 2 ft. base 1/2 ft. high W. of corner. Pile imperceptible.
	Cedars 12 ins. ins. diameter bears N. 75° W. 4.6 lbs. dist. marked 1/4 S. 34° B. J. Cedars 15 ins. diameter bears S. 75° E. 1.35 ch. dist. marked 1/4 S. 35° B. J. Continue through rolling sand hills

Subdivision T. 5 S. R. 7 W.

chains 7.1.26	and cedar timber
70.00	Wood road bears N. 30° E. & S. 30° W. Set a sandstone 15 x 6 x 6 ins. in the ground for cor. of sec. 26, 27, 34 & 35. marked 1 notch on S. and 2 notches on E. edge - raised around of stone 2 ft. base 1 1/2 ft. high W. of cor. Pit impracticable
	A cedar 24 ins. in diameter bears N. 16° E. 2.0 lbs. dist. marked T. 5 S. R. 7 W. S. 26.7 B. J.
	A cedar 15 ins. in diameter bears S. 23° W. 4.4 lbs. dist. marked T. 5 S. R. 7 W. S. 34.7 B. J.
	A cedar 12 ins. in diameter bears S. 45° E. 7.5 lbs. dist. marked T. 5 S. R. 7 W. S. 35.7 B. J.
	A cedar 24 ins. in diameter bears N. 40° W. 8.0 lbs. dist. marked T. 5 S. R. 7 W. S. 37.7 B. J.
	Sp and. rolling Soil, sandy, 3" hate Timber cedar Sp and. covered with dense under- growth or heavily timbered 80.00 chs.
	E. on random line between sec. 26 & 36
40.00	Set. terrace 1/4 rec. cor. 5.
80.00	Sp intersect N. & S. line. 25 lbs. S. of cor. of sec. 26, 27, 35 & 36. Thereby Sp line
	S. 89° 49' W. on line between sec. 26 & 35.
	Over mountainous land very rough enter series of limestone ledges small ridges and ravines.
28.00	Top of gentle ascent bears N. 45° E. & S. 45° W.
36.00	Top of ridge bears N. 45° E. & S. 45° W.

Subdivision J. S. R. & W.

38.30	Enter cedar timber bear N. 45° S.
40.00	Ser. a limestone 13 x 6 x 6 ins. 10 ins. and the ground. for 1/4 sec. cor. marked 1/4 on N. face, raised a mound of stone 2 ft. base 1/2 ft. high N. of cor. Pits impracticable
	A cedar 18 ins. in diameter bears S. 11 lbs. dist. marked 1/4 S. 35° B. T.
	A cedar 19 ins. in diameter bears N. 15° E. 44 lbs. dist. marked 1/4 S. 26° B. T.
50.20	Foot of steep descent, hollow drains S. 45° W. and enter sand and ascend
55.25	Top of steep ascent bears N. 45° E. 9 S. 45° W. and continue down gentle descent
60.00	The cor. of secs. 26, 27, 34 + 35 hills mountainous and rolling Soil 3" - 4" rather stony. Timber, cedar Mountainous land heavily timbered
70.00 chs.	

July 8. 1899

July 9, 1899. at 5th 15th a.m. I. M. S.
at the cor. of secs. 26, 27, 34 + 35 S.
observe Polaris at eastern elongation
in accordance with the instructions
in the Manual, and mark a point
in the line thus determined by a
tack driven in a wooden plug set
in the ground 1.00 chs. N. of my station

July 9, 1899. at 7:00 A.M. I lay off
the Azimuth of Polaris 1° 37' to the W.
and mark the True Meridian
thus determined by a tack driven
in a wooden plug firmly set in
the ground W. of the point estab-
lished last night

The magnetic bearing of the true

Subdivision T. 5 S. R. 7 W.

meridian is N. $16^{\circ} 31' W.$ which reduced by the table on page 100 of the Manual gives the mean magnetic declination $16^{\circ} 25' E.$

W. or random line bet. secs. 27 & 34.

4.00 Set temp $\frac{1}{4}$ sec. cor.

7.9.08 Intersect N. & S. line 2.40 chs. N $15^{\circ} W$ cor. of secs. 27 - 28 - 33 + 34. which is a limestone $8 \times 7 \times 6$ ins. above ground marked and witnessed as described by the Surveyor General.

The falling being above the allowable limit I obliterate from the cor. of secs. 27 - 28: 33 + 34 all marks pertaining to recs. 27 & 34 and at my intersection with the N. & S. line I set a limestone $15 \times 6 \times 6$ ins. 10 ins. in the ground for closing cor. of secs. 27 & 34 marked C.C. on E. face with 3 grooves on E. & 1 groove on S. faces, raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high E. of cor.

Pits impracticable

I henceforth over

E. on line line bet. secs. 27 & 34.

Over rolling sandy land through cedar timber

33.08 Rocky ravine or hollow drain S. $8^{\circ} W.$ & arced gently.

Set a sandstone $18 \times 14 \times 6$ ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high E. of cor.

Pits impracticable.

Sudbury J. S. T. R. 7-21

chains	A cedar 12 ins. in diameter bears N 36° W. 12 lbs. dead, marked 1/4 S. 27
B. T.	A cedar 8 ins. in diameter bears S 45° E. 25 lbs. dead, marked 1/4 S. 34 T. 3
57.08	Top of ascent bears N. 45° E. + S. 45° W. and descend
61.60	Bottom of hollow drain S. 45° W.
79.08	The cor. of secs. 26 - 27 - 34 + 35 land mountainous. Soil sandy and stony. 4" water Timber cedar Mountainous land or heavily timbered land 7.9: 0.8 chs.
78.0:0' W.	between secs. 26 + 27
	Over rolling sandy land up gentle ascent through thick cedar timber
17.00	Top of ridge bears N. 25° E. + S. 25° W.
20.87	Bottom of hollow drain S. 25° W.
36.40	Top of ascent bears N. 45° E. + S. 45° W.
37.00	Leaves cedar timber. bears E. + W. alluvium leaves sand
	Top of perpendicular cliff 10 ft. high
40.00	Set a limestone 15 x 6 x 6 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face raised a mound of snow 2 ft. base 1/2 ft. high W. of cor.
	It is impractical
40.10	Foot of cliff
40.60	Bottom of hollow drain S. 25° W. and begin steep ascent
43.00	Enter scattering cedar timber bears S. 25°

Subdivision T. 5 S. R. 7 W.

Chains	
45.30	Top of ascent bears 74.45° E. + S. 45° W. and descends into large hollow.
49.00	Leave cedar timber bears E. + W.
54.80	Bottom of hollow bears S. 45° W.
57.00	Foot of steep ascent bears N. 45° E. + S. 45° W.
64.00	Enter scattering cedar timber bears E. + W.
72.00	Ascent becomes less steep and continues along E. brow of high rounded hill.
80.00	Set at limestone 15' X 8' X 7 ins. 10 ins. in the ground for cor. of secs. 22, 23, 26, 27 marked 2 notches on S. + E. edges. raised as mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
	A cedar 24 ins. in diameter bears 74.64° E. 17 lbs. dirt. marked T. 5 S. R. 7 W. S. 23 7B. J.
	A cedar 12 ins. in diameter bears S. 20° E. 9 lbs. dirt. marked T. 5 S. R. 7 W. S. 26 7B. J.
	A cedar 12 ins. in diameter bears 74.15° W. 1. 15" ch. dirt. marked T. 5 S. R. 7 W. S. 22 7B. J.
	No other trees within limits Land mountainous Soil, stony 3" rate Timber scattering cedars Mountainous land. \$0.00 ch.
	71.89 49' E. on random line between secs. 23 & 26.
40.00	Set temp 1/4 sec. cor.
79.80	I intersect 74.45° S. line. 5 lbs. S. of cor. of secs. 23, 24, 25 & 26.
	I hence S. over.
	S. $49^{\circ} 45'$ W. on line between secs. 23 & 26.
	@ very mountainous land w/ gentle ascent through scattering cedar timber.

Subdivision T. 5 S. R. 7 W.

9.00	Top of ridge 1,000 ft. high bears N. 30° E. S. 30° W.
	Leave cedar timber bears N. 30° E. + S. 30° W. and descend.
14.00	Enter cedar timber bears E. + W.
19.00	Leave cedar timber bears E. + W.
24.90	Bottom of hollow drain S. 35° W.
37.00	Enter cedar timber bears E. + W.
39.90	Set a limestone 18 x 6 x 6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
	A cedar 24 in. in diameter bears S. 85° E. 25 lbs. dirt. marked 1/4 S. 26 V. S. J.
	A cedar 12 in. in diameter bears N. 85° W. 35 lbs. dirt. marked 1/4 S. 23 V. S. J.
42.00	Leave cedar timber bears E. + W.
52.00	Top of ridge bears N. 30° E. + S. 30° W.
56.00	Bottom of hollow drain S. 25° W.
66.00	Top of ridge bears S. 20° W. + N. 20° E.
70.30	Foot of steep descent bears N. 45° S. and cross wide hollow.
72.00	Opposite side of hollow and ascend over series of ledges.
77.80	The cor. of sec. 22, 23, 26 + 27. Land mountainous and broken. Soil 3" rare, stony Timber cedar Mountainous land 79.80 ch.

July 9, 1899.

Sidneyton T. 3 S. R. 7 W.

chains.	W. on boundary line bet. secs. 22 & 27.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. & S. line 2.00 chrs. N. of cor. of sec. 21-22-27 & 28; which is a cedar tree 20 ins. in diameter marked and witnessed as described by the Surveyor General.
	The falling being above the allowable limit I obliterate from the cor. of sec. 21-22-27 & 28 all marks pertaining to sec. 22 & 27 & at any point of intersection I set a limestone 18x12x7 ins. 12 ins. in the ground for closing cor. of sec. 22 & 27 marked C.C. on E. face with 2 grooves on E. and 2 grooves on S. faces; raised a mound of stone 2 ft. base $\frac{1}{2}$ ft. high E. of cor.
	Pits impracticable
	There is no
	E. or tree line bet. secs. 22 & 27.
	Over rolling mountainous land.
11.00	Cedar timber bears N. & S.
17.50	Two small springs bear S. 50° E. & S. 45° W. respectively
20.00	Bottom of prairie or hollow draws S. 40° W.
32.00	Top of ascent bears N. 40° E. & S. 40° W. and descend
36.45	Bottom of hollow draws S. 45° W.
40.10	Set a limestone 18x12x7 ins. 12 ins in the ground for $\frac{1}{4}$ sec. cor. bet. sec. 22 & 27 marked $\frac{1}{4}$ with face raised a mound of stone 2 ft. base $\frac{1}{2}$ ft. high N. of cor.
	Pits impracticable
	Cedar 12 ins. in diameter bears N. 80° E. 12 lbs. dist. marked $\frac{1}{4}$ S. 22 7S: T.
	Cedar 12 ins. in diameter bears S. 15° E. 18 lbs dist. marked $\frac{1}{4}$ S. 22 7S: T.
48.60	Top of ascent bears N. 45° E. & S. 45° W.
56.00	Small spring bears S. about 30.00 chrs.
65.00	Bottom of hollow draws S. 45° W.
97.75	Cedar timber bears N. & S.
79.25	Top of ascent bears S. 45° W. & N. 45° E.
80.10	The cor. of sec. 22-23-26 & 27.
	Land broken and mountainous.
	Soil sandy & stony 4" rate.
	Timber cedar.
	Mountainous or heavily timbered land 50-10 chs.

Subdivision J. & S. R. Co.

chains.	74. 0° 0' W. between sect. 23 & 23
	Over mountainous land scattering cedar timber, ascending gently along E. side of ridge.
33.50	Ascend small round hill.
38.00	Descend into head of hollow drain. S. 30° E.
40.00	Set a limestone 18 X 8 X 4 ins. 12 ins. in the ground for cor. 14 ins. cor. marked $\frac{1}{4}$ on W. face, raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
	C. cedar 36 ins. in diameter bears S. 42° W. 20 lbs. dist. unmarked $\frac{1}{4}$ S. 22° B. J.
	C. cedar 24 ins. in diameter bears N. 42° E. 10 lbs. dist. unmarked $\frac{1}{4}$ S. 23° B. J.
40.50	B. bottom of hollow and begin gentle ascent. Course of hollow S.E.
50.70	Top of ridge or saddle bears E. & W. and descend into head of hollow.
57.75	B. bottom of hollow drains W. and ascend
59.00	Leave cedar timber bears E. & W.
63.50	Top of bare ridge bears S. 60° W. and N. 60° E. and descend.
68.25	B. bottom of hollow drains S. 60° W.
76.00	Top of ridge bears S. 60° W. and N. 60° E. and descend.
80.00	Set a limestone 18 X 8 X 6 ins. 10 ins. in the ground for cor. 16 ins. 14, 15, 22 and 23. marked 3 notches on S. and 2 notches on E. edges. raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
	Land mountainous and rough.
	Soil 2" & 3" rock stony.
	Timber scattering cedar.
	Mountainous land \$0.00 ahd.

Subdivision J. S. R. & W.

chains	W. 89° 47' E. on random line between secs. 14 & 23.
40.00	Set stump $\frac{1}{4}$ sec. cor.
79.80	Intersect $\text{N}.$ 45° line at 14 sec. N. of cor. of secs. 13, 14, 23 & 24.
	Thence S. run
	S. 89° 57' W.
	Over rough mountainous land up granite ascent.
4.00	Top of ridge bears S. 45° W. + N. 45° E.
20.00	Leave ravine or hollow drain S. 45° W.
28.75	Top of steep ascent bears $\text{N}.$ 25° W. + S. 25° E.
	Enter timber bears $\text{N}.$ 45°, and descend over ledges.
32.00	Foot of steep descent and ascend.
36.00	Top of ascent bears $\text{N}.$ 45°, and descend.
39.90	Set in limestone 15 x 8 x 6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on $\text{N}.$ face raised a round of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor.
	Pits impracticable.
	A cedar 18 ins. in diameter bears S. 89° E. 25 lbs. dist. marked $\frac{1}{4}$ S. 23.73. J.
	A cedar 12 ins in diameter bears $\text{N}.$ 38° W. dist. marked $\frac{1}{4}$ S. 14.73. J.
52.00	Leave cedar timber bears $\text{N}.$ 45°.
64.00	Bottom of hollow drains S.
65.50	Enter cedar timber bears $\text{N}.$ 45°.
66.00	Top of ridge bears $\text{N}.$ 45°, and begin very steep rough descent.
70.00	Foot of descent bears $\text{N}.$ 45°.
73.00	Leave cedar timber bears $\text{N}.$ 45°.
74.50	Top of bare ridge bears S. 45° W. + N. 45° E. and descend.
79.80	The cor. of secs. 14, 15, 22 & 23.
	Land mountainous
	Soil 3" shale, stony

Subdivision T. S. R. 7 W.

- Timber cedar, pine and arnoldiogamy
mountainous land 79.80 ch.
- w. 0° 02' N. between secs. 14 & 15
- Over rough mountainous land
down gentle descent along W. face of
ridge.
- 24.25 Barlow Creek hollow drains S. 29° W. and
ascend
- 31.50 Top of ridge on pass bears E. & W.
and descend.
- 35.90 Foot of descent bears E. & W.
- 39.10 Opposite side of hollow bears E. & W.
and ascend
- 40.00 Set a limestone 18 X 8 X 6 ins. 12 ins. in
the ground of stone for 1/4 sec. cor.
marked 1/4 on W. face, raised a mound
of stone 2 ft. base 1 1/2 ft. high N. of cor.
Pile impractical.
- A. arnoldiogamy. 6 ins. in diameter.
bears N. 30° E. 36 ins. dist. unmarked
1/4 S. 14.73. J.
- A. cedar 4 ins. in diameter bears N. 37°
W. 7.5 ins. dist. marked 1/4 S. 14.73. J.
- 48.55 Top of ridge bears N. 60° E. & S. 60° W.
Center scattering cedar, pine and arnoldiogamy
timber bears E. & W.
- 53.30 Foot of descent, hollow drains S. 60° W.
- 59.76 Opposite side of hollow and begins very
steep rocky ascent.
- 66.00 Top of rocky point bears E. & W. and
begin steep rocky descent.
- 70.00 Bottom of steep descent bears S. 60° W.
and W. 60° E. and ascend
- 76.30 Top of rocky point on ridge bears
S. 60° W. and N. 60° E. and descend
- 80.00 Set a limestone 15 X 10 X 6 ins. 1.0 ins.
in the ground for cor. sec. 10, 11, 14 & 15

Subdivision J. & S. Tr. 7 W.

Chains marked 4 notches W. S. and 2 notches on E. edge raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impractical.
At Balson 14 ins. in diameter bears S. 40° W. 49 lles. dist. marked J. & S. Tr. 7 W. S. 15 Tr. 7 B. J.
At Balson 18 ins. in diameter bears S. 85° E. 60 lles. dist. marked J. & S. Tr. 7. W. S. 14 Tr. 7 B. J.
70 other trees within limits Land mountainous and rough Soil stony 3" rate Timber scattering pine cedar + mahogany. Mountainous land \$0.00 ac.
7.89° 57' E. on random line between secs. 11 & 14
40.00 Set strip 1/4 sec. cor.
80.00 Direct W. & S. line 25 lles. S. of cor. of secs. 11, 12, 13 & 14.
Thinned down S. 89° 46' W. on tree line between secs. 11 & 14.
10 over very steep rugged W. face of mountain, through scattering pine and aspen timber.
2.10 Foot of cliff 65 feet high
30.00 Leave timber bears W. & S.
40.00 Set of limestone 1.5 x 8 x 8 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impractical
50.40 Enter timber bears W. & S.
39.30 Top of rocky ridge bears S. 45° W. & N. 45° E.

Subdivision T. 5 S. R. 7 W.

74.00	Ravine or hollow drains S. 25° W.
75.50	Top of ridge bears N. 25° E. & S. 25° W.
76.00	Cor. of sec. 10, 11, 14 & 15.

Land mountainous and very rough
Soil, stony, 3" rate.
Timber cedar, pine and aspen.
W. mountainous land 80.00 chs.

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76.00	W. 1° 02' W. between sec. 10 & 11.
77.00	Over rough mountainous land
78.00	Through scattering cedar timber.
79.00	Ravine drains S. 45° W. and begin steep rocky ascent.
80.00	Top of rocky ridge bears S. 45° W. and N. 45° E. & descended into larger hollow
81.00	Leave timber bears E. & W.
82.00	Bottom of large deep ravine or hollow drain. S. 45° W. and begin steep ascent over series of small ridges and ravines.
83.00	Enter timber bears E. & W.
84.00	Set a limestone 16-X-8X6 in. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
85.00	W. B. about 10 ins. in diameter bears S. 15° E. 16 lbs. dist. marked 1/4 S. 11° E. J.
86.00	W. B. about 10 ins. in diameter bears S. 90° W. 86 lbs. dist. marked 1/4 S. 10° B. J.
87.50	Top of ridge 15:00 ft. high bears S. 70° E. 4 7/8 ft. W. and begin steep descent through red pine timber very dense.
88.00	Set a limestone 16-X-8X6 in. 10 ins. in the ground for cor. of sec. 9, 3, 10 & 11. marked 1/4 notched on S. & S. another on E. edges. raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable

Subdivisions T. 3 S. R. 7 W.

Chain A pine 30 ins. in diameter bears S. 45°
W. 5 lbs. dist. marked T. 3 S. R. 7
W. S. 10 TB. J.
A pine 14 ins. in diameter bears S.
45° E. 15 lbs. dist. marked T. 3 S. R.
7 W. S. 11 TB. J.
A pine 18 ins. in diameter bears
N. 5° E. 25 lbs. dist. marked T. 3 S.
R. 7 W. S. 2 TB. J.
A pine 18 ins. in diameter bears N.
10° W. 45 lbs. dist. marked T. 3 S. R.
7 W. S. 3 TB. J.
Land and mountainous and rough.
Soil stony & rock.
Timber cedar, aspen, mahogany
and pine.
Mountainous land. \$0.00 chs.

N. 89° 46' E. on random line between
secs. 2 & 11.
40.00 Get. temp $\frac{1}{4}$ sec. cor.
80.00 I intersect N. & S. line 10 lbs. S. of cor
of secs. 1, 2, 11 & 12.
Then descend.
S. 89° 45' W. on tree line between
secs. 2 & 11.
Top steep E. face of mountain
through scattering pine timber
24.00 Top of rocky ridge bears N. 50° E.
+ S. 50° W. and descend, into
very steep rough gorge.
28.00 Bottom of descent and begin very
steep rough ascent.
33.00 Top of steep ascent.
Continue gentle ascent through
thick pine timber.
39.60 Divide between Rush Valley and
Skull Valley. 2,000 ft. high bears
N. & S. and descend.
45.00 Get a limestone 15 x 6 x 4 ins. 10.

Subdivision J. & S. T.R. 4 W.

- 65.00 Pine tree . in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1/2 ft. high N. of cor.
 Pine impractical
- 66.00 A pine tree . in diameter bears S. 30° W. 35 lbs. dist. marked 1/4 S. 11° N. B. J.
- 67.50 G pine 10 ins. in diameter bears S. 25° W. 53 lbs. dist. marked 1/4 S. 11° N. B. J. Continue down steep N. face of mountain through pine timber leaves timber bears E. 45° W. & descend over solid limestone surface.
- 73.00 Foot of limestone descent. Ravine drains N. 45° W.
- 77.00 Top of ridge bears N. 45° W. & S. 45° E.
- 78.00 The cor. of recs. 2, 3, 10 & 11. Land mountainous. Soil 2" rate, stony. Timber pine and aspen. Mountainous land to 0.00 elev.
- 79.00 N. 0.02° W. on random line between recs. 2, 4, 3. S. 11' 11" N. 45° W. 1/4 sec. cor. Intersect N. side of Dp. 145 lbs. N. of cor. from 2-3-34-35, established by myself before described tunnel drawn S. 11' 11" W. on same line between recs. 2, 4, 3. On rough mountainous land. Up steep descent. Timber pine timber bears E. 45° W.
- 80.00 Top of sharp ridge 1900 ft. height bears E. 45° W.
- 89.06 Set of limestone 17 X 6 X 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a

Subdivision T. & S. R. 7 W.

Chains	around of stone 2 ft. base 1 1/2 ft. high. W. of cor.
	Pile impracticable
	A pine 24 in. in diameter bears S. 35° W. 50 lvs. dist. marked 1/4 S. 37 B. J.
	A mahogany tree in diameter bears S. 70° E. 5-2 lbs. dist. marked 1/4 S. 2 B. J.
45.00	Leave pine and mahogany timber bears E. 4 W.
48.35	Bottom of hollow drain S. 60° W. and ascend.
52.75	Top of ridge bears S. 60° W. and N. 60° E. and descend.
63.50	Ravine drains W.
68.00	Top of ridge bears E. 4 W.
73.60	Bottom of large deep ravine drains N. 70° W.
79.05	The cor. of secs. 2, 3, 10 & 11. Land mountainous Soil 2" rate, stony. Timber, pine, larch and mahogany. Mountainous land 79.06 chs.

From the C-C cor. of sec. 22 & 27 which
herebefore described

Sheriff Draw

N. 0.03 W. between secs. 21 & 22.

Over rolling sandy land through
scattering cedar timber along N. W. foot of hill

7.33 Barlow Creek follow drain S. 45° W.

14.50 Leave cedar timber bears E. 4 W.

18.20 Barlow Creek a stream of pure water

7 lks. wide course S. 45° W.

East end of Conder's field known as

the meadows about 700 chs. S. 45° W.

An irregular enclosure 15 chs. wide

by about 1 mile long bears about S 45° W.

Subdivisions T. 5 S. R. 2 W.

- 20.00 Enter cherry and wild rose undergrowth bears E. & W.
- 25.00 Cottonwood grove. 1.00 ch. E
- 27.00 Leave cherry and wild rose undergrowth bears E. & W.
- Head of Barlow Creek bears N. 40° E. about 15.00 chs. dist. in a grove of Cottonwood and B. of elder timber.
- 28.00 Begin steep ascent up point of hill.
- 29.50 Enter cedar timber bears E. & W.
- 40.00 Set a limestone 24 X 8 X 6 ins. in a mound of stone for 1/4 sec. cor. marked 1/4 on W. face on steep side face of hill raised a mound of stone 2 ft. bare 1 1/2 ft. high W. of cor. Pits impracticable
- Cedar 18 ins. in diameter bears E. 15 lbs. dist marked 1/4 S. 22 B. T.
- A cedar 12 ins. in diameter bears N. 45° W. 18 lbs. dist marked 1/4 S. 21 B. T.
- 57.00 Top of steep ascent bears S. 40° W. & N. 40° E.
- 58.50 Bottom of hollow drains S. 45° W. & ascend.
- 64.10 Top of ridge bears S. 60° W. & N. 60° E. and descend into large deep hollow.
- 73.75 Leave cedar timber bears E. & W.
- 75.00 Bottom of hollow drains S. 55° W.
- 77.75 Opposite side of hollow and begin steep ascent.
- 80.00 Set a limestone 16 X 8 X 6 ins. 10 ins. in the ground for cor. to secs. 15-16-21+22. on bare S. face of mountain on side of large hollow or canyon marked 5 S. on N. E. and 7 W. on S. E. faces, with 3 notches on S. & E. edges raised a mound of stone 2 ft. bare 1 1/2 ft. high W. of cor.
- Pits impracticable
- Land rolling and mountainous
- Soil 2" + 3" rate sandy
- Timber cedar, cottonwood, and bigelder.
- Mountainous land or land heavily timbered 80.00 ch.

July 23, 1899

Subdivisions of T. 3 S. R. 7 W.

Chas.	E. on random line bet. sec. 15 & 22.
40.00	Set. temp. 1/4 sec. cor.
80.00	Intersect N. & S. line 30 ltrs. N. of cor. of sec. 14 - 15 - 22 & 23.
	Three Drums
	N. 89° 47' W. on true line between secs. 15 & 22.
	Over rough mountainous land through cedar and mahogany timber
7.70	Barrow creek hollow drains S. 29° W. and ascend.
10.95	Top of bare ridge bears N. & S.
17.40	Bottom of hollow drains S.
27.55	Top of rocky ridge bears S. 35° W. & N. 35° E.
31.30	Foot of steep ascent bears S. 45° W. & N. 45° E.
35.50	Top of rocky ridge bears S. 35° W. & N. 35° E.
40.00	Set a limestone 15 X 8 X 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable
	3 cedar trees. in diameter bears N. 25 ltrs. dist. marked 1/4 S. 15 - T3. J.
	3 mahogany trees. in diameter bears S. 35° E. 36 ltrs. dist. marked 1/4 S. 22 T3. J.
79.00	Bottom of hollow drains S. 45° W. & ascend.
80.00	The cor. of secs. 15 - 16 - 21 & 22. Land mountainous and rough Soil stony 2" 4:3 slope Timber cedar and mahogany. Mountainous land 80.00 chs.
	S. 89° 48' W. on random line bet. secs. 16 & 21.
40.00	Set. temp. 1/4 sec. cor.
80.00	Intersect N. & S. line sch. No 13 spec. secs. 16 - 17 - 20 & 21 which is a grey limestone 10 X 10 X 7 ins. above ground marked & witnessed as described by the Surveyor General.

Subdivisions: T. 5 S. R. 7 W.

chain	The falling being above the allowable limit I obliterate from the cor. of recs 16-17-20 & 21 all marks pertaining to recs. 16 & 21 and at any point of intersection set a limestone 14x10x6 ins. 12 ins. in the ground for closing cor. marked C.C. on E. face with 3 grooves on S. & 4 grooves on E. faces, raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pile impracticable Thence I run N. 49° 48' E. on true line bet. sec. 16 & 21 Over broken mountainous land
18.00	Foot of mountain bears N. & S.
23.50	Top of ascent bears S. 65° W. + N. 65° E.
29.55	Bottom of hollow drains S. 35° W.
35.36	Head of "Spring Creek" bears S. 35° 30' W 15.00 chs. dist. course S. 60° W.
38.40	Ravine or hollow drains S. 45° W.
40.00	Set a limestone 18x8x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pile impracticable A cedar 18 ins. in diameter bears S. 45° E. 22 lbs. dist. marked 1/4 S. 21° B. J.
	A cedar 8 ins. in diameter bears N. 50° W. 90 lbs. dist. marked 1/4 S. 16° B. J.
60.60	Top of rocky ascent bears N. 20° E. + S. 20° W.
77.46	Leave scattering cedar & mahogany timber bears N. & S.
80.00	The cor. of secs. 15-16-21 & 22 land mountainous Soil stony 3" rate Timber cedar and mahogany Mountainous land 80.00 chs.

Subdivisions T. 5 S. 7 R. 7 W.

Chain	N. 1. 0. 3' W. bet. sec. 15 + 16.
3. 00	Up steep S. face of mountain Cedar cedar and mahogany timber bears E. + W.
23. 40	Top of ridge bears E. + W. + descent.
33. 80	Bottom of hollow drains W. + ascend.
40. 00	Set as limestone 1.5 x 10 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 16 W. face raised + mound of stone 2 ft. base 1/2 ft. high W. of cor. Pits impracticable
	Q mahogany 8 ins. in diameter bears N. 50° W. 55 lbs. dist. marked 1/4 S. 16 W. J.
	A cedar 24 ins. in diameter bears N. 10° W. 1.20 dist. marked 1/4 S. 16 W. J.
	Continue up steep rough ascent.
51. 25	Top of ridge bears S. 75° W. 47 N. 75° E. and begin very steep rocky descent.
66. 75	Bottom of hollow drains S. 65° W. and begin very steep rough ascent.
77. 25	Top of ridge bears S. 55° W. 47 N. 55° E. and descent.
80. 00	Set as limestone 1.5 x 8 x 6 ins. 10 ins. in the ground for cor. 1.5 ins. 9 - 10 - 15 + 16. marked 1/4 matches on S. & 4 3 matches on E. edges raised at mounds of stone 2 ft. base 1/2 ft. high W. of cor. Pits impracticable
	Q mahogany 12 ins. in diameter bears N. 20° W. 35 lbs. dist. marked T. 5 S. 7 R. 7 W. S. 9 W. J.
	Q mahogany 8 ins. in diameter bears S. 92° E. 30 lbs. dist. marked T. 5 S. 7 R. 7 W. S. 15 W. J.
	Q mahogany 10 ins. in diameter bears N. 80° E. 30 lbs. dist. marked T. 5 S. 7 R. 7 W. S. 10 W. J.
	Q dry pine 12 ins. in diameter bears S. 40° W. 35 lbs. dist. marked T. 5 S. 7 R. 7 W. S. 16 W. J. land mountainous
	Soil stony 3" rate
	Timber, pine, cedar and mahogany Mountainous land 80. 00 ch.

Subdivision - T. 5 S. R. 7 W.

chain	S. $89^{\circ} 47' E.$ on random line between recs. 10 & 15
40.00	Set temp $\frac{1}{4}$ sec. cor.
80.00	Entered N. & S. line, 25 lbs. S. of cor. of secs. 10-11-14 & 15 Hence I turn S. $89^{\circ} 57' W.$ on true line between secs. 10 & 15
	Over rough mountainous land, through mahogany timber.
3.00	Leave timber bears N. & S.
17.00	Top of gentle ascent bears S. $45^{\circ} W.$ & N. $45^{\circ} E.$ and begin steep descent
21.15	Bottom of hollow drains S. $25^{\circ} W.$ and begin very steep ascent.
33.10	Top of ridge bears N. & S. and descend into sagebrush swale.
40.00	Bottom of swale set a limestone 15 x 6 x 6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face raised a mound of stone 2 ft. bare 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable
43.00	Top of bare ridge bears S. $30^{\circ} W.$ & N. $30^{\circ} E.$
44.50	Enter pine, cedar and mahogany timber.
63.35	Bottom of hollow drains S. $45^{\circ} W.$ & N. $45^{\circ} E.$ and begin gentle ascent over series of small limestone ledges.
77.25	Top of ridge bears S. $45^{\circ} W.$ & N. $45^{\circ} E.$ and begin gentle descent.
80.00	The cor. of secs. 9-10-15 & 16 land mountainous and rough Soil 2"-4" rock stony Timber pine cedar and mahogany mountainous land \$0.00 chs.

July 12 1899

Subdivisions of T. & S. R. Y.W.

Chanc	S. 89° 48' W. on random line bet. secs. 9 + 16.
40.00	Set. stmp. 1/4 sec. cor.
79.80	Intersection N. + S. line 2.15 chs N. of cor. secs. S. 9 - 16 + 17 which is a lime stone 8x8x8 ins. above ground marked and unmarked as described by the Surveyor General. The falling being above the allowable limit to obliterate from the cor. of sec. S. 9 - 16 + 17 all marks that pertain to sec. 9 + 16 and at very point of intersection set a quartzite stone 15x10x6 ins. 10 ins. in the ground for closing cor. to sec. 9 + 16 marked C. C. on E. face with 4 grooves on S. and E. faces; raised a mound of stone 2 ft. base 1/2 ft. high E. of cor. Pits impracticable
	The next I run
	N. 89° 48' E. on line bet. sec. 9 + 16
	Over broken mountainous land over quartzite slide
5.00	Leave quartzite slide enter scattering cedar timber bears N. + S.
21.50	Top of ridge bears S. 65° W. + N. 65° E.
29.70	Bottom of hollow drains S. 65° W.
39.00	Top of ridge bears S. 55° W. + N. 55° E.
39.90	Set a limestone 18x8x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1/2 ft. high N. of ea. Pits impracticable
	Cedar 24 ins. in diameter bears N. 65° W. 24 lbs. dist marked 1/4 S. 97 B. J.
	Cedar 12 ins. in diameter bears S. 60 lbs dist marked 1/4 S. 16 B. J.
52.00	Leave cedar timber bears N. + S.
56.25	Bottom of large hollow drains S. 55° W.
61.25	Enter cedar timber bears N. + S.
79.80	The cor. of secs. 9 - 10 = 16 + 16
	Land mountainous Soil stony 4" rate Timber cedar + pine
	Mountainous land 79.80 chs

Subdivisions T. 3 S. 1 R. 2 W.

chains	N. 0° 03' W. between secs. 9 & 10.
	Over mountainous land down rather gentle descent.
3.50	Bottom of descent hollow drains S. 45° W. + begin gentle ascent. Leave pine timber bears E. & W.
40.00	Set a limestone 18x8x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 out W. face raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable Quahogony 12 ins. in diameter bears S. 45° W. 20 lbs. dist. marked 1/4 S. 9° B. T. Cedar 18 ins. in diameter bears N. 50° E. 50 lbs. dist. marked 1/4 S. 10° B. T.
48.50	Top of rocky ridge or saddle 1300 ft. high bears E. & W. and begin steep descent into dry Canyon.
49.50	Enter pine timber bears E. & W.
64.00	Ravine drains N. 45° W. & ascends.
71.75	Top of ridge bears N. 45° W. & S. 45° E. and begin steep descent.
80.00	Set a limestone 16x10x6 ins. 10 ins. in the ground for cor. of secs. 3-4-9 & 10 on steep W. face of mountain marked 5 notches on S. & 3 notches on E. edges. raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable Land mountainous & rough Soil bare & stony Timber cedar and quahogony Mountainous land \$0.00 ac.

Subdivisions T. 3-5 R. 7 W.

Chains	N. 99° 57' E. on random line bet. secs. 3 & 10
40.00	Set temp. 1/4 sec. cor.
80.00	Stratified N. & S. line 6 ltrs. N. of cor. of sec. 2. S. 164 11'
	Thick bedded
	W. low tree line bet. secs. 3 & 10
	Over rough mountainous land. down steep descent through pine timber.
1.00	Hollow drains N. 45° W. & ascend very steep rough ascent
21.25	Top of ascent bears N. 60° W. & S. 60° E. & begin very steep rough descent
25.10	Foot of descent bears N. 60° W. & S. 60° E. and begin ascent
40.00	Set a limestone 15 x 8 x 6 ins. 10. ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stone 2 ft. base 1/2 ft. high N. of cor. Pits impracticable Among pine and aspen timber A pine 7 ins. in diameter bears S. 27 ltrs. dist. marked 1/4 S. 10 B. T.
	A pine 8 ins. in diameter bears S. 70° W. 25 ltrs. dist. marked 1/4 S. 10 B. T.
62.15	Top of rocky ridge bears N. 60° W. & S. 60° E.
66.00	Hollow drains N. 60° W.
72.75	Top of rocky ridge bears N. 60° W. & S. 60° E.
80.00	The cor. of secs. 3, 4, 9 & 10 land: mountainous & rough Soil 2" & 3" rate. stony. Timber: pine cedar & aspen Mountainous land 80.00 chs.

Subdivisions T. 4 S. R. 7 W.

- Divisions N. 0° 03' W. on random-line bet. secs. 3 & 4.
- 40.00 Soil terrace $\frac{1}{4}$ sec. cor.
- 78.59 Direct N.-bdy. of T-p 25-lbs. E. of cor. of secs. 3-4-33+34 established by myself and heretofore described.
Thence S. run
S. 0° 14' E. - on tree line bet. secs. 3 & 4.
Over very rough mountainous land up gentle ascent through young pine timber.
- 8.60 Top of ridge or saddle 14.00 ft. high bears N. 60° W. + S. 60° E. and begin steep descent.
- 38.59 Set on limestone 18X8X6 ins.: 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face raised as mound of stone 2 ft. base 1/2 ft. high W. of cor.
Pile impracticable.
- 62.50 Foot of steep descent bottom of Hwy. Canyon.
- 67.09 Road bears E. & W.
- 70.60 Opposite side of hollow and begin ascent.
- 78.59 Th. cor. of secs. 3-4-9+10
Land mountainous & rough
Soil stony 2" + 3" rate
Timber pine & mahogany
Mountainous land. 78.59 ch.
- From the cor. of secs. 17 - 420
as before described
Thence S. run
N. on random-line bet. secs. 16 & 17.
- 40.00 Soil terrace $\frac{1}{4}$ sec. cor.
- 79.70 Direct S. & W. line 30 lbs. W. of cor. of secs. 8 - 17 -
Thence S. run
S. 0° 13' W. - on tree line bet. secs. 16 & 17
(over broken mountainous land).
- 8.60 River drain S. 60° W. & ascend.
- 10.00 Top of ridge bears S. 60° W. & N. 60° E.

Subdivisions T. 5 S. R. 7 W.

Chains

- 11.00 Cut cedar timber bears E. & W.
 31.20 Bottom of hollow drains S. 65° W.
 38.70 Top of ascent bears E. & W.
 39.85 Set a limestone 15 X 10 X 8 ins. 10 ins
 in the ground for 1/4 sec. cor. marked
 1/4 on W. face raised a mound of
 stone 2 ft. base 1 1/2 ft. high W. of cor.
 Pile impracticable.
 49.50 Bottom of hollow drain W.
 53.60 Top of ridge bears E. & W.
 59.00 Bottom of hollow drains W.
 64.40 Top of ridge bears E. & W. & descended
 70.00 Ravine drains N. 65° W.
 79.70 Cor. of secs. 16 - 17 - 20 & 21
 land mountainous
 Soil stony 3" rate
 Timber cedar
 Mountainous land 79.70 ch.

July 13, 1899

From closing cor. 15 sec. 9 & 16

Thence down

N. 0° 03' W. bet. sec. 8 & 9.

Over mountainous land up gentle ascent
 along W. face of mountain.
 Much loose quartzite stone.

- 5.50 Top of quartzite ridge bears E. & W.
 and begin steep descent.
 10.00 Bottom of hollow drains W. & begin steep
 ascent

33.00 Top of quartzite ridge bears E. & W. &
 descended

- 40.00 Set a quartzite stone 18 X 10 X 10 ins.
 12 ins. in the ground for 1/4 sec. cor.
 marked. 1/4 on W. face raised a mound
 of stone 2 ft. base 1 1/2 ft. high W. of cor.
 Pile impracticable

Continue very rocky descent into

Hwy. Canyon

- Foot of steep descent bottom of hollow
 drains S. 68° W.

Subdivisions T. 6 S. R. 7 W.

- Chain
64.78 Road bears N. 68° E. & S. 68° W.
63.83 Opposite side of hollow & begin steep ascent.
80.00 Set a quartzite stone 18 x 10 x 6 ins. 12 ins. in
the ground on bare E. face of hill in
for cor. to sec. 4-8+9 marked 1/4
notches on S. & 4 notches on E. edges
raised a mound of stone 2 ft. base 1 1/2 ft.
high W. of cor.
Pits impracticable
Land mountainous & very rough
Soil stony & rate
Timber scattering cedar
Mountainous land 80.00 chs.
- $\frac{1}{4} \text{ mi. } 89.48$
E. on random line bet. sec. 4+9
40.00 Set temp 1/4 sec. cor.
79.50 Intersect N. & S. line 29 lbs N. of cor. of
secs. 3+9+10
Then 1/4 mi. W. on true line bet. sec. 4+9
Over mountainous land up rocky
ascent.
4.05 Top of rocky ridge bears N. 50° W. & S. 40° E.
and descend gently
16.45 Bottom of hollow drains N. 75° W. pass
over series of small ravines
38.00 Bottom of Dry Canyon bears S. 70° W.
& N. 70° E.
39.75 Set a quartzite stone. 18 x 8 x 6 ins.
12 ins. in the ground for 1/4 sec. cor.
marked 1/4 on N. face raised a
mound of stone 2 ft. base 1 1/2 ft. high
N. of cor.
Pits impracticable
44.35 Road bears S. 70° W. & N. 70° E.
46.00 Opposite side of hollow and begin ascent.
57.00 Small spring bears about S. 30 chs S.
69.20 Top of rocky quartzite ridge bears N. & S.
76.50 Bottom of hollow drains S. among large
quartzite boulders.

Subdivisions T. 5 S. R. 7 W.

Chains	
79.30	The cor. of secs. 4-5-8-9. Land mountainous Soil stony 4' rate Timber scattering pine & cedar Mountainous land 79.30 chs
36.27	W. on random line bet. sec. 5+8. Intersect N. & S. line 1.90 chs. N. of the 1/4 sec. cor. bet. sec. 5+8 which is a quartzite stone 8x12x8 ins. above ground marked and witnessed as described by the Surveyor General. The falling being above the allowable limit I abandon any random line and from the 1/4 sec. cor. above described - I have it run. Cowtree line bet. sec. 5+8. Over rough mountainous land.
13.93	Top of quartzite ridge bears S. 5° W. & N. 50° E.
24.25	Bottom of hollow drains S. & arched.
29.75	Top of ridge bears N & S.
36.27	Intersect N. & S. line 1.90 chs. Soo3&f. cor. of sec. 4-5-8-9. from which I obliterate all marks pertaining to sec. 5+8 and at any point of intersection set a quartzite stone 13x8x6 ins. 10 lbs. in the ground for closing cor. of sec. 5+8 marked C.C. on W. face with 5 grooves on S. & 4 grooves on E. faces. raised a mound of stone 2 ft. base 1/2 ft. high W. of cor. Pits impracticable.
	Land mountainous Soil stony 4' rate Timber scattering cedar Mountainous land 36.27 chs

Subdivisions T. 3 S. R. 7 W.

Chain	From the corner secs 4 & 9
40.00	N. 0°. 03' W. on random line between secs. 4 & 5.
78.12	Intersect the N. bdy. of Tp. at the cor. of secs. 4-3-32 & 33 established by myself and heretofore described. Thereby I run S. 0°. 03' E. on true line bet. secs. 4 & 5. Over very rough mountainous land up steep ascent;
8.23	Top of rough quartzite ridge bears S. 82° E. E. & W. and descend very rough H. C. P. Set quartzite stone 12 x 8 x 6 in. & cor.
38.12	in the ground on steep W. face of hill for 1/4 sec. cor. marked 1/4 on the face raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pile impracticable
40.62	Bottom of descent or hollow division and ascend.
44.62	Top of steep ascent ridge bears S. 82° E. W. and descend over large quartzite boulders.
78.12	The cor. of secs. 4-3-8 & 9. Land mountainous & rough. Soil stony 4" rate Timber scattering cedar & maple Mountainous land 78.12 close

July 14. 1898.

E. H. F.

Subdivision T. 5 S R 7 W

Where finding that I do not close my
all calls on the old survey within
allowable limits, I proceed as
follows to locate the errors.

From the cor. of secs. 34 & 35 on
the S. bdy of the Tp.
Prince Draw

I. on retracement line along S.
bdy. of sec. 34.

39.80 Intercept the 1/4 sec. cor.

79.54 Intercept the cor. of secs. 33 and 34 on
S. bdy. of the Tp.

From the cor. of secs. 33 & 34 on the
S. bdy. of the Tp. thence Draw
I. on retracement line bet. secs.
33 and 34.

39.00 Fall 5 1/2cs N. of 1/4 sec. cor.

77.60 Intercept the E and N line 1/2 the
N. of the cor. of secs. 28 & 33. The course
of said line is therefore N. 0° 05' E.

From the cor. of secs. 28 & 33
Prince Draw

I. on retracement line

3.40 Intercept the cor. of sec. 27 & 34

40.00 Fall 4 1/2cs E. of 1/4 sec. cor.

80.00 Intercept E & N line 1/2 the E. of the
cor. of secs. 29 & 36. The course of said
line is therefore N. 0° 45' W.

From the cor. of sec. 89 1/2

Prince Draw

I. on retracement line bet. sec. 89 1/2

39.43 Intercept the 1/4 sec. cor.

79.50 Intercept the cor. of secs. 7, 8, 17 & 18.

From the 1/4 sec. cor. bet. sec. 89 1/2

Prince Draw

I. on retracement line bet. sec. 57 &

Subdivisions of T. 5 S. R. 7 W.

- 39.50 Intersect the cor. of secs. 5, 6, 7 & 8.
From the cor. of secs. 7, 8, 17 & 18.
Thence down
N. on retrace ment line bet.
secs. 7 & 8.
Fall 1.86 chs. N. of $\frac{1}{4}$ sec. cor.
Fall 3.65 chs. N. of the cor. of secs. 5, 6, 7
& 8, the course is therefore N. $2^{\circ} 37' 8''$ E. while
the distance is 80.08.
From the cor. of secs. 17 & 18.
Thence down
N. $89^{\circ} 45'$ N. on retrace ment line
bet. secs. 17 & 20.
Fall 1.15 chs. N. of $\frac{1}{4}$ sec. cor.
Fall 3.41 chs. N. of the cor. of secs. 17, 18
& 19 & 20, the course is therefore
West.

Almon Stockley
Wyo. Dept't of Surveyor.

General Description

The Tp. is rough and mountainous throughout and particularly so in the eastern and northern portions. It is fairly well watered having a few small springs or streams along the western border, also a number in the northeastern part. It contains some good grazing land in the north east portion, the remainder of the Tp. is fair grazing land, except where the surface is too rough for grazing animals.

The Tp. is well timbered with cedar and red pine timber; ^{trace of} iron ore was found in Secs. 12 & 13. ^{but not sufficiently developed to be returned as mineral land.} There is no evidence whatever of the existence of the desert land entering 1391 of Hwy C. D. Twp., the only residence in the Tp. is W^m P. Russel, who resides in the S.W. 1/4 of Sec. 35.

Alonzo Stoeber.

U.S. Deputy Surveyor.

July 16, 1899.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____, showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____ of the _____

meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____

day of _____, 189_____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from United States Surveyor General for _____, bearing date of _____ day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

of the _____ meridian, in the _____ of _____, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

J.W.
United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189_____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Walt Lake City, Utah, November 30, 1903
The above description of lines of
Township 5 South Range 7 West of the Salt Lake
Base Meridian, Utah

executed by _____, *Alonso J. Stansbury*,
under his contract No. *216*, dated *October 29*, 189_____, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Aldrich
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General